Driver's Handbook

The XK range
Driver's Handbook

JAGUAR CARS LIMITED, as manufacturer, is dedicated to the design and production of vehicles which meet the expectations of the world's most discerning purchasers.

This handbook forms part of the owner literature supplied with your vehicle. It is designed to complement the relevant features and systems of the vehicle, and make them easy to understand and operate.

The information contained in this handbook applies to a range of vehicles and not to a specific vehicle. For the specification of a particular vehicle, owners should consult their Jaguar Dealer.

The manufacturer reserves the right to vary its specifications with or without notice, and at such times and in such manner as it thinks fit. Major as well as minor changes may be involved in accordance with the Manufacturer's policy of constant product improvement.

To cover changes, it is sometimes necessary to issue one or more handbook supplements. When reading this handbook, check the owner literature for possible supplements.

For full details of the owner literature originally supplied with the vehicle, owners should consult their Jaguar Dealer.

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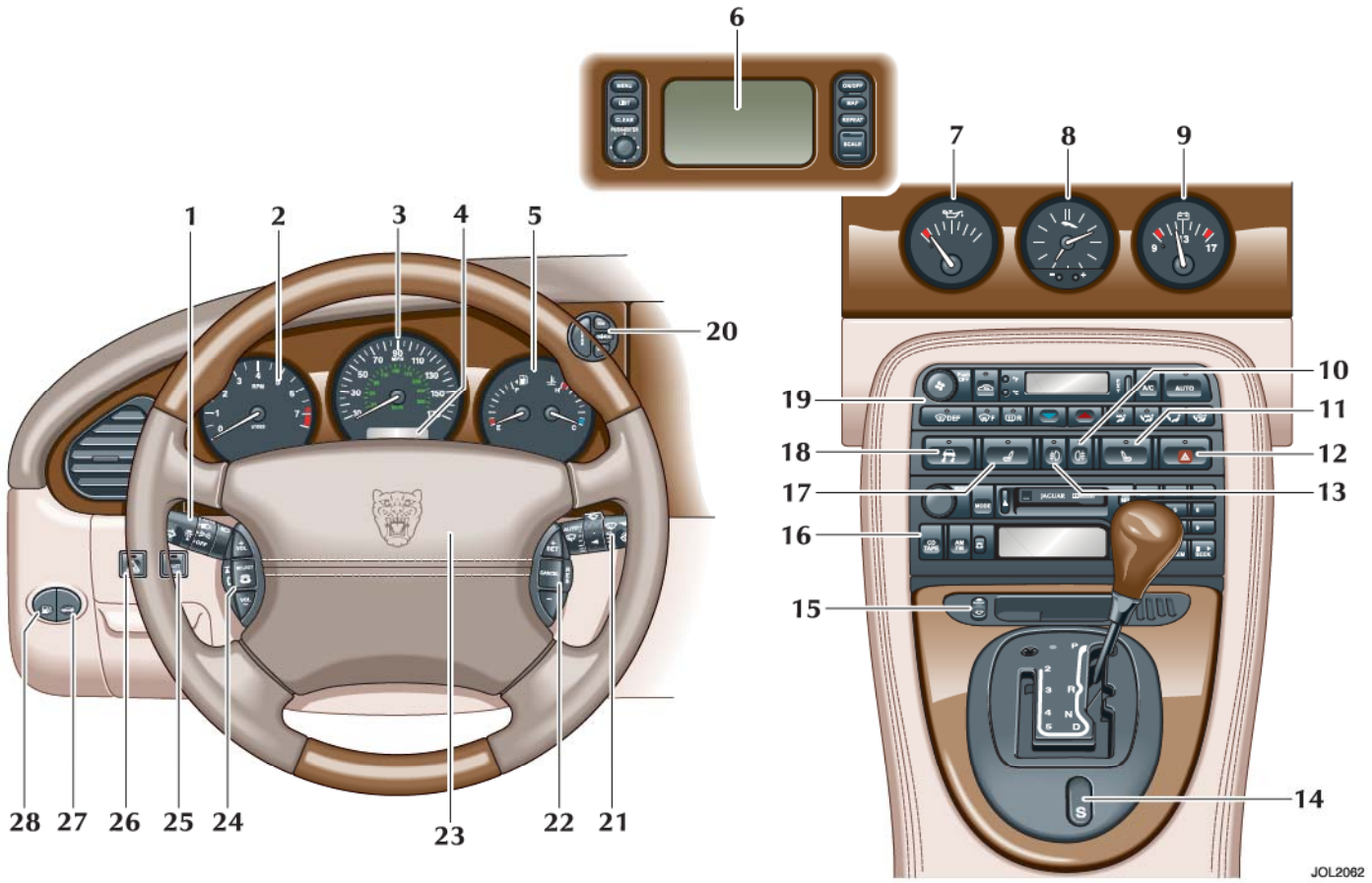
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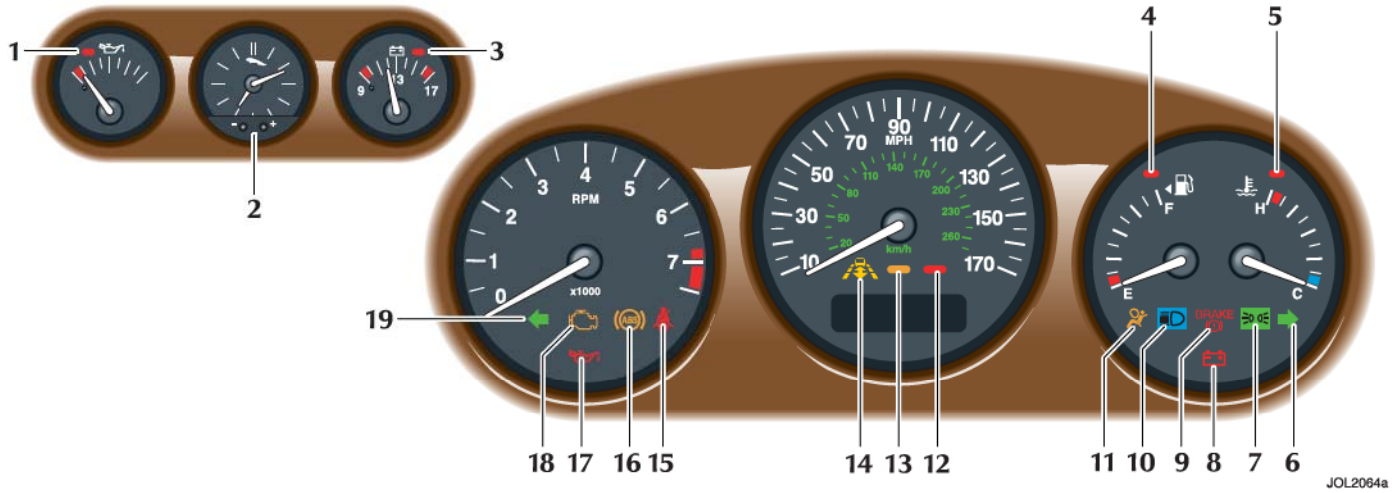
1. Exterior light switch.
2. Tachometer.
3. Speedometer.
4. Message centre.
5. Fuel level and engine coolant temperature.
6. Navigation screen (where fitted, see Navigation Handbook).
7. Engine oil pressure (without navigation screen).
8. Clock (without navigation screen).
9. Battery condition (without navigation screen).
10. Rear fog lamp switch.
11. Passenger seat heater switch.
12. Hazard warning lamp switch.
13. Front fog lamp switch.
14. 'Sport' mode switch.
15. Roof and rear quarter window switch.
16. Audio control panel (see Audio System Handbook).
17. Driver's seat heater switch.
18. Dynamic stability control switch.
19. Air conditioning control panel.
20. Trip computer switches.
21. Wiper/washer switches.
22. Cruise control or adaptive cruise control switches.
23. Driver's airbag and horn.
24. Audio switches (see Audio System Handbook).
25. Valet switch.
26. Adaptive cruise control forward alert switch (where fitted).
27. Luggage compartment release switch (see Section 2).
28. Fuel filler flap release switch.

Where not referenced above, for further detail about instruments and controls refer to Section 4.

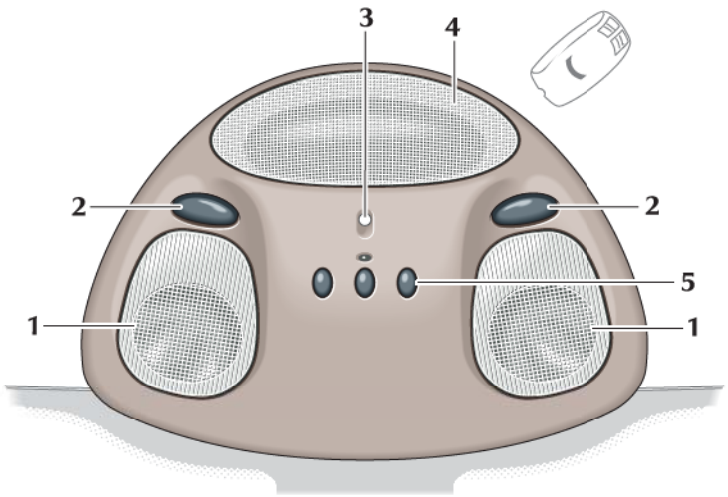
Controls and Instruments



1. Low oil pressure (without navigation screen).
2. Clock (without navigation screen).
3. Battery charge indicator (without navigation screen).
4. Low fuel level.
5. High coolant temperature.
6. Right-hand direction indicator.
7. Sidelights.
8. Charge indicator (navigation screen fitted).
9. Parkbrake on, brake fluid low.
10. Main beam.
11. Airbag.
12. Priority warning for message centre – Red.
13. Priority warning for message centre – Amber.
14. Adaptive cruise control.
15. Driver's seat belt.
16. Anti-lock braking system (ABS).
17. Low oil pressure (Navigation screen fitted).
18. Check engine.
19. Left-hand indicator.

Note: If a navigation screen is fitted, the clock is part of the navigation system, refer to the Navigation Handbook for altering the clock time.

For further detail about instruments and warning lamps refer to Section 4.



Overhead console

1. **Reading/map lights, left and right-hand.**
2. **Reading/map lights, left and right-hand switches.**
3. **Interior roof light (amber).**
4. **Passenger occupancy ultra-sonic sensors.**
5. **HomeLink Universal Transceiver.** The transceiver can be programmed to transmit three different frequencies to activate garage doors, gates, home lighting, security systems.

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Contents

8. Specifications

A comprehensive index is located at the back of this Handbook.

General information

Whether you are new to the Jaguar marque or have previously owned Jaguar or Daimler vehicles, we are pleased that you have made Jaguar your choice of vehicle this time.

For safety and the pleasure you will get from your new vehicle, please take the time to get well acquainted with your vehicle by reading the handbooks.

Details of the vehicle warranty are contained within the 'Passport to Service' booklet for USA and Canada or, for Mexico, the 'Service Record and Warranty' book.

When left-hand or right-hand is used in the text, this refers to the left-hand side or right-hand side of the vehicle, viewed from the rear.

This Handbook describes every option and model variant available and therefore some of the items covered may not apply to your particular vehicle.

Jaguar Dealers

Jaguar Dealers are chosen with care. Each is dedicated to providing a Sales, Service and Spare Parts facility of the highest standard.

Jaguar Dealers are provided with full technical support from the factory, with comprehensive training for all their technicians. Dealers' workshops operate to a high standard and have all the necessary tools and equipment essential to maintain or repair Jaguar vehicles.

Genuine Jaguar parts and accessories

Your Jaguar Dealer can supply you with genuine replacement parts and accessories which are fully approved to Jaguar's original equipment specification. This will ensure that the safety and performance of your vehicle is maintained for your complete peace of mind.

Please note that fitment of non-genuine parts may invalidate the vehicle warranty if a subsequent fault occurs due to fitting sub-standard replacement parts or accessories.

Jaguar parts distribution service

Jaguar Dealers stock a large number of parts to keep your vehicle maintained and back on the road as quickly as possible. Their service is backed-up by Jaguar's central parts warehouse in Coventry, England, providing next day delivery to most of Europe's Dealers and world-wide within two to three days.

Accessories

A full range of Jaguar Engineering approved accessories including safety, stowage, touring, leisure and lifestyle products are just some of those available from your Jaguar Dealership.

Please ask your Jaguar Dealer for an up-to-date brochure so you can select your requirements from the latest range.

Warnings, Cautions and Notes

Take particular note of WARNINGS, Cautions and Notes given throughout this handbook.

WARNING:
A warning is a procedure which must be followed precisely to help avoid the risk of personal injury.

Caution: A caution is a procedure which must be followed precisely to reduce the possibility of damage to the vehicle and resultant risk of personal injury or inconvenience.

Note: A note is a procedure which will help avoid difficulties in the operation of the vehicle.

Warning symbols on the vehicle

On encountering the warning triangle or open book symbol on the vehicle, it is important that before touching this part of the vehicle or attempting adjustments of any kind you consult the relevant section of this handbook.

Caution: Do not remove any warning labels from the underhood area or inside the vehicle.

Vehicle handbooks

Remember to pass on the Vehicle Handbooks when reselling the vehicle. Handbooks are integral parts of the vehicle.

Reporting safety defects (USA only)

If you believe that your vehicle has a defect which could cause a crash or could cause injury or death, you should immediately inform the National Highway Traffic Safety Administration (NHTSA) in addition to notifying Jaguar Cars.

If NHTSA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign.

However, NHTSA cannot become involved in individual problems between you, your Dealer, or Jaguar Cars.

To contact NHTSA, you may either call the Auto Safety Hotline toll-free at 1-800-424-9393 (or 366-0123 in Washington, D.C. area) or write to:

NHTSA, U.S. Department of Transportation, Washington, D.C. 20590.

To contact Jaguar Cars, call 1-800 4 Jaguar.

You can also obtain other information about motor safety from the Hotline.

Health and safety

⚠ WARNING:

1. Many liquids and other substances used in vehicles are poisonous and should never be consumed and must be kept away from open wounds.
   These substances include anti-freeze, brake fluid, fuel, windscreen washer additives, lubricants and various adhesives.
2. The presence of any unusual fumes (for example, petrol or exhaust fumes) in the passenger compartment and/or luggage compartment should be corrected immediately by a Jaguar Dealer.
   If you must drive under these conditions do so only with all windows fully open.
3. By operating other electronic equipment (for example, a mobile phone without an exterior antenna) electro-magnetic fields can cause malfunctions of the vehicle electronics.
   Therefore, you should observe the instructions of the equipment manufacturers.
4. Any modifications to the fuel system not specifically designed for this Jaguar are prohibited. Such modifications in some circumstances could result in a fire. All service actions must be entrusted to a Jaguar Dealer.
5. Alterations to the electrical system, including the fitting of accessories not designed for this Jaguar, will cause damage to the electrical circuits and systems. In some circumstances this could result in a malfunction or fire. All accessory work should be entrusted to a Jaguar Dealer.
6. No attempt should be made to repair a fuse that has blown. Always install a new fuse of the correct amperage. Failure to comply with the above may cause a fire hazard or create serious damage elsewhere in the electrical circuit.
7. Avoid contact with battery acid which is poisonous and corrosive. Acid will cause burns to the skin as well as to the eyes. In the event of skin or eye contamination, wash the affected area with water thoroughly.
   Seek immediate medical attention when eye contact has occurred.
8. Do not disconnect any pipes in the air conditioning refrigeration system. A refrigerant is used which can cause blindness if allowed to contact the eyes.
   If refrigerant should contact the eyes or skin, wash the eyes or affected area with cold water for several minutes. Do not rub.
   As soon as possible thereafter, obtain treatment from a doctor or eye specialist.
9. When working within the engine compartment, take care to avoid contact with moving parts and hot components.
10. California Proposition 65:
    Engine exhaust, some of its constituents and certain vehicle components, contain or emit chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Regular servicing

Each vehicle is given a full 'Pre-Delivery Inspection' to ensure that all systems function correctly and that the vehicle meets its specification.

Owners are responsible for the regular maintenance and servicing of the vehicle. Jaguar Dealers will be pleased to arrange periodic servicing and can provide you with details of tasks carried out at each service interval.

Failure to implement maintenance at the recommended intervals could result in deterioration of vehicle performance and possible infringement of regulations.

Regular routine maintenance not only helps to prevent unnecessary 'breakdowns' and inconvenience, but enhances the 'trade in' or resale value of the vehicle.

USA and Canada

Jaguar Dealers will arrange for appointments on a mileage/distance or time interval basis to ensure that all routine and corrective maintenance work is undertaken and recorded in the 'Passport to Service' Booklet. This booklet not only contains a record of vital information, but also information about warranties, Jaguar Cars, Jaguar Car Clubs, Tyre Manufacturers and change of ownership or address vouchers.

Mexico

Jaguar Dealers will arrange for appointments on a mileage/distance or time interval basis to ensure that all routine and corrective maintenance work is undertaken and recorded in the Service Record and Warranty Book. This booklet not only contains a record of vital information, but also information about warranty and a change of ownership card.

Jaguar diagnostic system

Many of the vehicle systems are controlled by complex electronic devices. Specialist equipment is required to trace and rectify faults in the systems and ensure that only faulty components are repaired or renewed.

Caution: Severe damage to the electrical system and electronic components can occur if any attempt is made to diagnose faults in the electrical system using conventional diagnostic equipment (for example, the use of test lamps or low impedance voltmeters). The fitting of any electrical accessory should only be entrusted to a Jaguar Dealer.

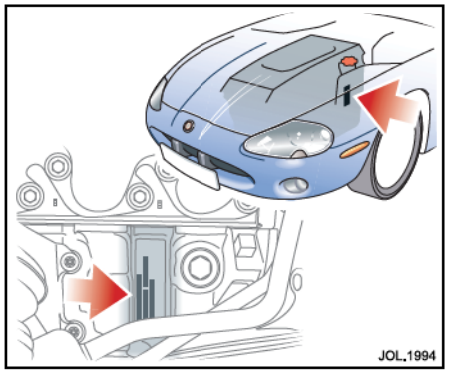
Vehicle identification

Vehicle Identification and certification label

The USA, Canadian and Mexican Certification label is adhered to the left-hand door post above the door striker plate and is visible when the door is opened. The label indicates the month and year of manufacture and the Vehicle Identification Number (VIN), it also provides paint and trim codes.

It is essential that the Vehicle Identification Number (VIN) is quoted in all correspondence and when ordering replacement parts.

The number is also on a plate visible through the windscreen on a bar coded label adhered to the left-hand front door shut face edge.



Engine number

The character stampings are on the left-hand side of the engine on the 'B' bank oil drain channel.

Transmission number

The number is located on the automatic transmission casing adjacent to the selector level.

Warranties (USA and Canada)

The 'Passport to Service' booklet contains warranties applicable to the vehicle, which include:

- The Limited vehicle Warranty.
- The Emission Control System Warranty and covered parts list.
- The Corrosion Warranty.

Tyres are not warranted by Jaguar Cars, but by the specific manufacturer of the tyres on the vehicle. Details of tyre warranties are included in the vehicle literature pack.

Warranties (Mexico)

The 'Service Record and Warranty' book contains warranties applicable to the vehicle, which include:

- The Limited vehicle Warranty.
- The Emission Control System Warranty and covered parts list.
- The Corrosion Warranty.

Protect the environment

We must all play our part in protecting the environment. Correct vehicle usage and disposal of waste cleaning and lubrication materials are significant steps towards this aim.

Avoid using high engine speeds. You will then protect your engine, reduce fuel consumption, lower the engine noise level and help towards reducing the environmental burden.

Dispose of batteries, tyres, engine, brake and coolant fluids at your local authorised waste disposal facilities.

Mobile/portable telephones

WARNING:

Using a mobile/portable telephone without an exterior antenna is not recommended when driving as the electro-magnetic fields produced can cause malfunctions with the vehicle electronic systems.

Check the laws and regulations on the use of cellular telephones in the areas where you drive. Always obey them. Also, give full attention to driving.

Use hands-free operation (if fitted) and pull off the road and park before making or answering a call, if driving conditions so require.

Window tinting

WARNING:

Do not have your vehicle windows tinted with a metal oxide tinting (for maximum heat reduction from sun load) if you have a Navigation or JaguarNet system fitted to your vehicle.

Metal oxide tinting prevents the reception of the Global Positioning Satellite (GPS) signals by the antenna causing the navigation system to stop functioning.

This will also prevent the emergency JaguarNet feature from giving the emergency centre your vehicle location.

A non-metal tinting should be used if you require window tinting and if in doubt, contact your Jaguar Dealer for advice.

Introduction

Security design features

The security system has been designed for:

- Prevention of theft of the vehicle.
- Prevention of theft of items from the vehicle.
- Rapid recovery of the vehicle.
- Personal security.

The security system is integrated with the electronics and engine management systems making it far more difficult for a thief to penetrate and prevents engine starting unless the correct ignition key is used.

Standard alarm features cover the perimeter sensing of hood, doors and luggage compartment.

Passive arming, the automatic alarm system, can be programmed by a Jaguar Dealer. This ensures that the security system arms itself 30 seconds after the doors, hood and luggage compartment are closed following removal of the key from the ignition switch.

Note: Passive arming does not lock the doors.

Vehicle security

When leaving the vehicle unoccupied, remember the following:

- Apply the parkbrake and, with automatic transmission, move the gear selector to Park 'P'.
- Remove the ignition key and spare keys, even when the vehicle is in your garage.
- Close all windows and lock all doors securely.
- When leaving the vehicle unattended, for maximum security ensure that the doors are locked.
- Ensure that all key transmitters are removed from the vehicle before locking the doors, and that all doors, the luggage compartment and the hood are closed.

Security of keys and key-ring transmitters

It is important to keep your keys and key-ring transmitters in safe places at all times. Leaving them in conspicuous places is an invitation for a thief to steal them and, consequently, your car or belongings. Keep them as secure as you would your wallet or purse, both at home and away. Do not leave the key number tag with the keys, detach the number tag and keep it in a safe place.

For increased security, replacement keys are only obtainable from a Jaguar Dealer who will ask for proof of vehicle ownership before the key can be ordered from Jaguar Cars Ltd. A log of all enquiries for replacement keys is kept by Dealers and notified to Jaguar Cars Ltd.

Key identification and locks

Key numbers are recorded on plastic tags which are attached to each key.
These numbered tags must be detached and kept in a secure place so that correct replacement keys can be obtained.

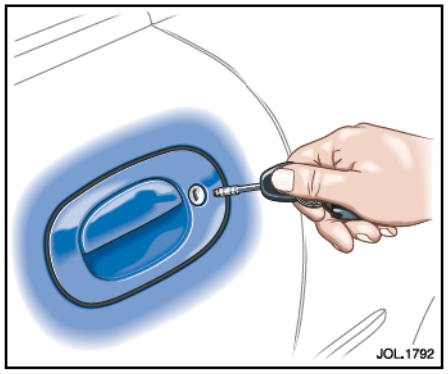
A set of three keys is supplied with the vehicle; two black-headed keys (one as a spare) and one green-headed key.

The black-headed keys will lock and unlock the steering column lock/ignition switch, the doors, and the luggage and glove compartments.

The green-headed key is a 'valet' key and must only be used when the vehicle is to be driven and parked by an attendant.

WARNING:

The door windows lower and raise automatically when the door is opened and closed. Keep fingers away from the windows when closing the door. Do not close the door by placing your fingers on top of the glass.



Key operation

Door locking/unlocking using a key

Locking

Note:

1. The security system will not arm if a key is in the ignition switch or if a protected entry is open. Ensure that the keys and the key-ring transmitter are removed from the vehicle before locking the doors, and that all doors, the luggage compartment and the hood are closed.
2. Remove the convertible top cover (if fitted) before closing the top.

The doors and luggage compartment can be locked or unlocked simultaneously by operating the driver's door lock.

To lock and set alarm (perimeter only)

Turn key towards the front of the vehicle and release. The direction indicators will flash once and a sound will be heard.

This will lock the driver and passenger doors, the luggage compartment and set the alarm system.

Hold the key in the 'Lock' position to close all windows (and the convertible top, if fitted).

Global locking

WARNING:

When using the 'all close' feature ensure that all occupants are kept clear of the windows and the convertible top.

Turn the key towards the front of the vehicle. Hold in this position and the vehicle alarm system will arm, the windows (and convertible top, if fitted), will close and the doors and luggage compartment will be locked.

Door locking system (green-headed 'valet' key)

Before locking the vehicle and handing the green-headed 'valet' key to a parking attendant, press the valet switch on the driver's knee bolster to inhibit the luggage compartment remote release switch. The vehicle can then be parked by an attendant who can lock the vehicle after parking, but cannot open the luggage compartment. The luggage compartment can then only be unlocked with the black-headed key or the key-ring transmitter.

Note: Do not use the green-headed valet key for normal driving. Once isolated from the remote release switch, the luggage compartment cannot be opened with this key.

Unlocking

To unlock and disarm alarm system

Turn key towards the rear of the vehicle and release.

This unlocks all doors, luggage compartment, disarms the alarm system (if fitted), and turns on the interior lights for 2 minutes at ¾ brightness. At the same time, the direction indicators will flash twice and two signals will be heard.

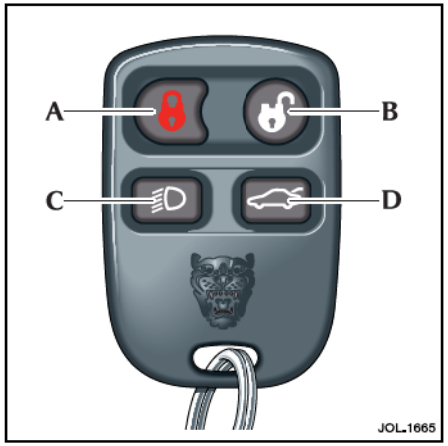
Hold the key in the 'Unlock' position to open all windows (and convertible top, if fitted). If the vehicle is fitted with an alarm system, opening is only possible with the vehicle disarmed.

Global unlocking

Put the key into the door lock, turn clockwise and hold in this position. This disarms the vehicle and opens the windows and convertible top, if fitted.

Key-ring transmitter

The Security System is controlled remotely by a radio frequency, battery-operated key-ring transmitter. The transmitter uses a random encrypted fixed and rolling code each time the system is used. This provides billions of combinations and ensures that the code cannot be copied.



Each of the two transmitters supplied is designed to be attached to a driver's key-ring.

The key-ring transmitter is activated by pointing it towards the vehicle and pressing one of the four operating buttons:

(**A**) – Locks and arms the vehicle.

(**B**) – Unlocks and disarms the vehicle.

(**C**) – One press switches on headlamps for 25 seconds. Three presses starts the Panic Alarm.

(**D**) – Releases luggage compartment lock.

Care of key-ring transmitters

The key-ring transmitters must be treated with care and not exposed to extremes of heat, dust, humidity or be in contact with fluids. The batteries are the only serviceable part.

Key-ring transmitter loss

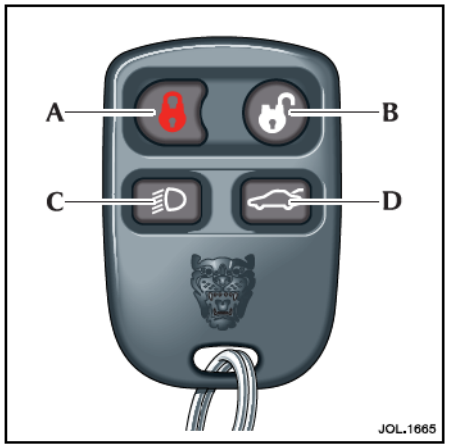
If a transmitter is lost or stolen it is advisable to contact your Dealer, without delay, to have the remaining transmitter re-programmed to prevent anyone using the lost transmitter. A new key-ring transmitter can be obtained from your Jaguar Dealer, who will ask for proof of vehicle ownership.

Key-ring transmitter operation

The key-ring transmitter will not operate if the key is in the ignition.

The security system will not arm if the key is in the ignition switch or if any protected entry is open.

Caution: The key-ring transmitter may suffer interference from other legal users of this radio frequency band, such as radio amateurs, medical equipment, remote controls or alarm systems. To lock or unlock the vehicle either use a key or operate the key-ring transmitter as close to the security antenna on the rear screen as possible.



Key-ring transmitter operation – button functions

Button (A) (locks and arms)

First press (if vehicle is unlocked and disarmed): Locks all doors, luggage compartment and sets the alarm system. The direction indicators will flash once whilst locking and arming occurs. A single sound will also be heard. The red security system warning light in the gear selector panel will start to flash and will continue flashing while the vehicle is armed.

Button (B) (Unlocks and disarms)

One press: Unlocks the driver's door and the luggage compartment. Disarms security system alarm and switches on interior lights for 2 minutes at ¾ brightness. It also cancels the luggage compartment valet lock-out, if set. The direction indicators will flash twice and two sounds will be heard as the vehicle is unlocked and disarmed.

Second press: Unlocks the passenger's door.

Button (C)

One press: Switches on headlamps. The headlamps will remain on for 25 seconds, or until the key is inserted in the ignition switch and turned to position 'II', or until the button is pressed again.

Three presses within 3 seconds: Starts Panic Alarm (where fitted).

Pressing the headlamp button on the key-ring transmitter three times within 3 seconds will activate the 'Panic Alarm'.

The Panic Alarm will sound for the normal full alarm period. The alarm is stopped by inserting the key into the ignition switch and turning the ignition key to position 'I' or 'II'.

Button (D)

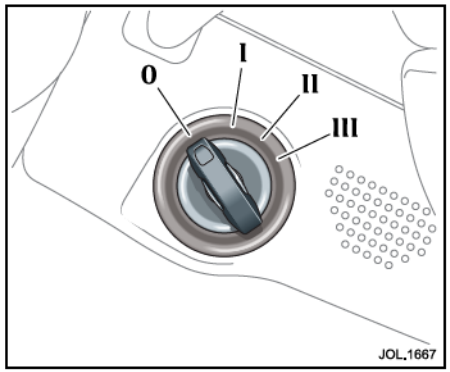
One press: Releases luggage compartment lock.

Key-ring transmitter battery renewal

To ensure that the key-ring transmitter operates at its full capacity, use a CR 2032 battery. When there is a significant decrease in the effective range of the key-ring transmitter, renew the battery.

Caution: To avoid disrupting the coding of the key-ring transmitter during battery renewal, the operating buttons must not be pressed. If the code is disrupted, it will be necessary to have your Jaguar Dealer re-programme the key-ring transmitters.

To renew the battery, insert a slim blade into the gap in the casing and prise apart, exposing the disc battery cell. Fit the new battery with the side marked with the positive symbol (+) facing into the battery receptacle. Refit the battery cover and click into place with thumb pressure.



Ignition/starter switch and steering lock

This switch is on the right-hand side of the steering column. It is operated through four positions by the ignition key.

Note: Should any warning lights or warning messages stay on after starting the engine, the cause must be investigated before driving off.

0. The only position in which the key can be inserted or removed. When the key is out, the steering lock is engaged.

I. **Auxiliary position:** Certain circuits, i.e. radio, windows, can be operated without switching on the ignition.

II. **Ignition position:** All circuits except the starter motor are actuated. The key remains in this position when driving.

III. **Start position:** The starter motor is operated for as long as the key is held in this position, against spring pressure. If the engine fails to start, the key must be returned to position 'I' before another start is attempted.

To disengage steering lock and start engine

Insert the key and turn clockwise. If resistance is felt, turn the steering wheel slightly to release the steering lock. Turn the key to position 'II' to switch on the ignition.

WARNING:
Before starting the engine, check the parkbrake is ON and the gear selector lever is in position 'P' or 'N'.

To start the engine, turn the key to position 'III'. When the engine starts, release the key which will return to position 'II'.

Note: Do not depress the accelerator pedal whilst operating the starter motor.

Do not use the starter continuously for longer than 6 seconds. Wait until the engine stops before reusing the starter.

If the engine persistently fails to start it is possible that the engine is flooded with fuel. Turn the ignition off, then on and wait until the bulb check is completed. Slowly depress the accelerator pedal fully, hold it in this position and start the engine. Release the pedal when the engine starts.

If the engine still fails to start, switch the ignition OFF and contact a Jaguar Dealer. Continued use of the starter will discharge the battery and may also damage the starter mechanism.

If the ignition circuits are isolated, the fuel system inertia switch may have tripped, and will require resetting (see Section 6).

WARNING:
Never switch OFF the engine (ignition) whilst the vehicle is in motion as the steering lock may operate.

Due to the installed starter non-repeat feature, the key must be turned to position ‘I’ before attempting to start the engine again.

When the engine starts, check the oil pressure gauge, if fitted. Do not increase engine speed before pressure registers on the gauge. If the gauge is not fitted, do not increase the engine speed until the oil pressure warning light goes out.

The red ignition warning light should go out when the engine is running.

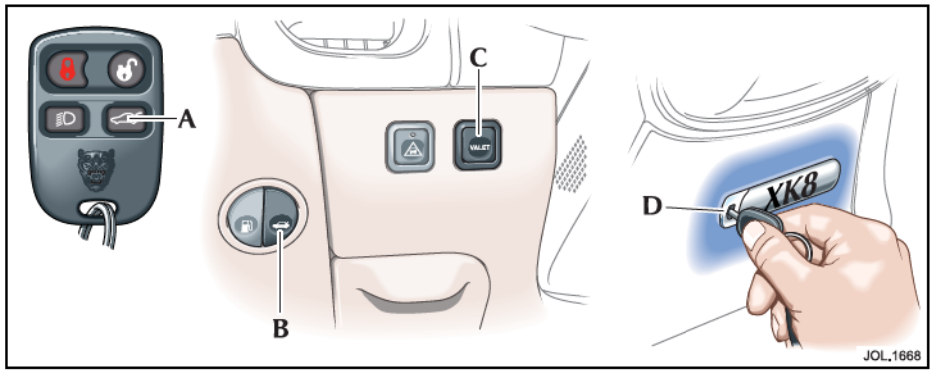
To stop engine and lock steering

Turn the key from position ‘II’ to the ‘lock’ position ‘0’. This stops the engine.

The ignition key cannot be removed from the ignition switch/steering lock unless the gear selector lever is in position ‘P’.

Once the ignition key has been removed the gear selector lever will be locked in position ‘P’.

A manual release mechanism will allow the gear selector lever to be unlocked from the ‘P’ position in the event of electrical failure or when moving the vehicle without power (i.e. towing). Removal of the ignition key actuates the steering lock. Slight movement of the steering wheel may be needed to engage the lock fully (see Section 4). Always remove the keys when leaving the vehicle. Leaving the key in position ‘I’ will discharge the battery.



Luggage compartment

The luggage compartment is locked and unlocked electrically in conjunction with the doors. It can also be unlocked by the unlock button on the key-ring transmitter, the remote release switch on the fascia and the black-headed key.

Unlocking using the key-ring transmitter (A)

To operate: Press the unlock button.

Luggage compartment remote release switch (B)

To operate: Press the switch to release the luggage compartment lid lock.

Luggage compartment remote release 'valet' switch (C)

The 'valet' switch is used to inhibit the remote release switch to ensure the security of the luggage compartment.

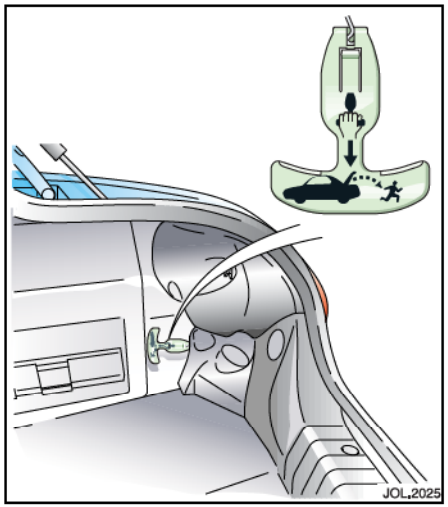
When the 'valet' switch is pressed, the luggage compartment locks and can then only be unlocked with the black-headed key or by pressing the unlock button on the key-ring transmitter.

Unlocking using the black-headed key (D)

To unlock the luggage compartment when the doors are locked: Ensure the security system is disarmed before unlocking using the black-headed key. Insert the key and turn through 90° clockwise, return the key to the vertical position to remove. The luggage compartment is illuminated by two lights when the lid is raised.

Note: The green-headed 'valet' key will not unlock the luggage compartment.

The luggage compartment locks automatically when the lid is closed.



Luggage compartment emergency release

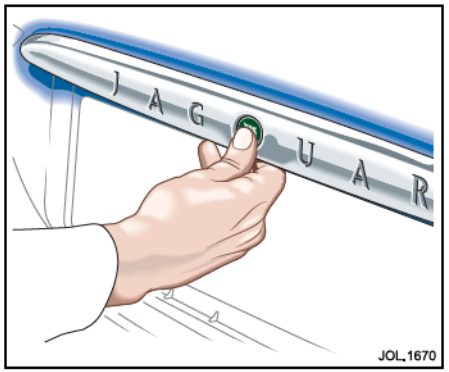
Your vehicle is equipped with a mechanical interior luggage compartment release handle that provides a means of escape for children and adults in the event they become locked inside the luggage compartment.

Adults are advised to familiarise themselves with the operation and location of the release handle.

To open the luggage compartment lid from the inside, pull the illuminated 'T'-shaped handle and push up the lid. The material that the handle is made of will glow for hours in the darkness of the luggage compartment following brief exposure to ambient light.

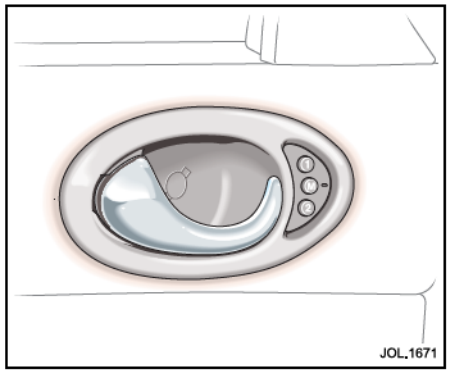
WARNING:

1. **Keep vehicle doors and the luggage compartment locked and keep keys out of a child's reach. Unsupervised children could lock themselves in an open compartment and risk injury. Children should be taught not to play in vehicles.**
2. **On hot days, the temperature in the luggage compartment and vehicle interior can rise very quickly. Exposure of people or animals to these high temperatures for even a short time can cause death or serious heat-related injuries, including brain damage. Small children are particularly at risk.**



Luggage compartment release button

To open the luggage compartment, press the badge button in the middle of the lid.



Interior door lock operation

To lock: Press the door release lever inwards to lock both doors and luggage compartment.

Drive-away door locking: This feature is an additional occupant safeguard which locks all the doors and luggage compartment if they are unlocked when the gear selector is moved out of the 'P' or 'N' position. For this feature to operate, the ignition switch must be in position 'II', and all doors and the luggage compartment lid closed.

To unlock: Pull the door release lever.

Alarms and audible signals

Full alarm

Once armed, any of the following circumstances will create a full alarm state:

- Opening a door with a key, the alarm will be delayed for 7 seconds).
- Opening the luggage compartment with the key but with a 7 seconds delay.
- Opening the hood.
- Breaking any window or windscreen (if glass break sensing is fitted).
- If an invalid key is inserted into the ignition switch and turned to position 'I' or 'II'.
- Lifting or tilting the vehicle (if a tilt sensor is fitted).
- Pressing headlamp button on key-ring transmitter three times within 3 seconds produces the Panic Alarm.

Error tone

The sounder gives a short, high-pitched tone whenever one of the following conditions is present:

- If any door is open when an attempt to 'arm' the security system is made.
- The luggage compartment or the hood is not properly closed when an attempt to 'arm' the security system is made.
- If a key is in the ignition switch when a transmitter button is pressed.
- If there is an electrical failure within the glass breaking sensing system (if fitted) or the tilt sensing system (if fitted) or an attempt to 'disarm' the security system is made.

Audible signals

An audible signal will sound when:

- The 'valet' switch is pressed with the luggage compartment closed or when in valet mode and the interior luggage compartment release button is pressed.

Security system features

Valet key locking

Before locking the vehicle and handing the green-headed 'valet' key to a parking attendant, press the valet switch to inhibit the luggage compartment interior release switch. The vehicle can then be parked by an attendant who can lock the vehicle after parking, but cannot open the luggage compartment. The luggage compartment can then only be unlocked with the black-headed key or the key-ring transmitter.

Panic alarm (Dealer option)

When in or near the vehicle, the alarm can be set off to deter a would-be offender. This feature will also unlock the doors. For this feature to operate, the key must **not** be in the ignition switch.

Pressing the headlamp button on the key-ring transmitter three times within 3 seconds will activate the 'Panic Alarm'.

The Panic Alarm will sound for the normal full alarm period. The alarm is stopped by turning the ignition key to position 'I' or 'II'.

The key-ring transmitter cannot be used to cancel the Panic Alarm, this prevents unauthorised use.

Remote headlamp convenience

By pressing the key-ring transmitter button with the dipped headlamp symbol once, the headlamps will come on for 25 seconds, unless the headlamp button is pressed again, or if the key is inserted in the ignition switch and turned to position 'II'.

Passive arming (Dealer option)

Passive arming will not lock the doors, it only arms the security alarm system.

Passive arming, if preset by a Jaguar Dealer, will automatically arm the vehicle alarm system 30 seconds after the last protected entry (door, luggage compartment or hood) is closed following the key being removed from the ignition switch.

When passive arming occurs the direction indicators will flash once and a single tone will be heard. The red security light on the gear selector surround will start to flash and will continue for as long as the vehicle is armed.

Opening a protected entry causes a warning sound which continues for 15 seconds before the vehicle goes into the full alarm state.

If the system has been armed passively it can be disarmed by either the key-ring transmitter, or by switching the ignition to position 'I'.

Note: The security system will not passively arm if a key is in the ignition switch or if any protected entry is open.

Perimeter sensing

Perimeter sensing is put into operation every time the vehicle is armed. This feature sounds the alarm if any unauthorised opening of doors or luggage compartment or hood occurs.

Caution: Do not obscure the vision of the interior sensors. Any obscuration can affect the performance of the sensors.

Battery tampering alarm and restart procedure

This feature prevents the security system being bypassed by battery disconnection.

If the battery is disconnected when the security system is either armed, disarmed or in the full alarm state, the security system will automatically resume the vehicle state before disconnection when the battery is reconnected.

Tilt sensing protection (where fitted)

This feature protects against unauthorised towing away or jacking up. As soon as an attempt is made to tilt the vehicle, to tow away or jack the vehicle up, if the system is 'armed', the security system will enter the full alarm state.

If the tilt sensor operates the alarm when the vehicle is being transported by road, rail or sea, do not unlock the vehicle, the alarm will sound for a limited time only.

Battery back-up sounder

On certain markets a separate battery back-up sounder is fitted. This device will sound an alarm if the vehicle battery or the sounder is disconnected when the security system is armed.

Caution: Do not disconnect the vehicle battery or sounder if the security system is armed as this will cause the alarm to sound. To switch off the alarm, reconnect the vehicle battery or sounder and disarm the security system in the usual manner.

Engine immobilisation

The ignition key has an engine immobilising device in the plastic head. Engine immobilisation occurs automatically when the ignition key is turned to position '0'.

Caution: Should the ignition key be lost, a new key can be obtained and programmed to the vehicle by a Jaguar Dealer who will ask for proof of vehicle ownership. It is advisable to notify a Dealer as soon as a key is lost or stolen and have the remaining key(s) reprogrammed. This will then prevent the lost or stolen key from being used to start the engine.

Radio frequency

The radio frequency remote system operates on a frequency subject to USA Federal Communications Commission (FCC) rules.

The device complies with Part 15 of the FCC rules and RSS-210 of the Industry Canada. Operation is subject to the two following conditions:

1. The device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

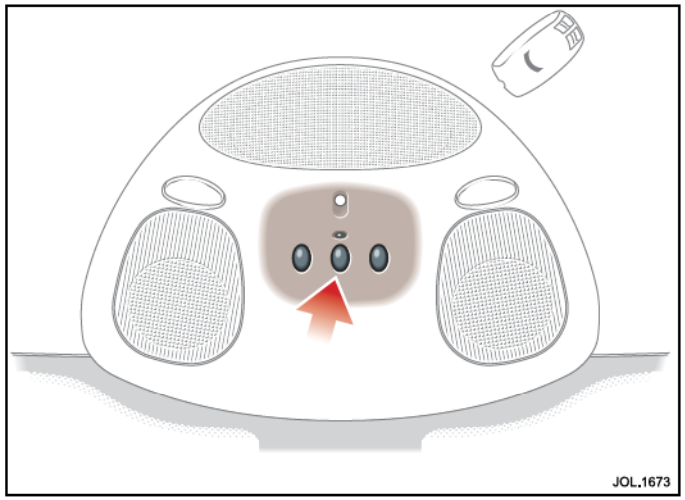
The key transmitter radio frequency approval numbers for the USA and Canada are as shown below:

USA – NHVWB1U241

Canada – 3495 103 2304

The manufacturer is not responsible for any radio interference or TV interference caused by unauthorised modifications to this equipment. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Caution: The key-transmitter may suffer interference from other legal users of this radio frequency band, such as radio amateurs, medical equipment, remote controls or alarm systems.To lock or unlock the vehicle in such a situation, either use a key or operate the key transmitter as close to the security antenna as possible.



HomeLink® Universal Transceiver

The HomeLink® Universal Transceiver (where fitted) is located in the roof console. The transceiver can be programmed to transmit the radio frequencies of up to three different transmitters used to activate garage doors, gates, home lighting, security systems, or other radio frequency operated devices.

For further information, or for assistance, contact your Jaguar Dealer, or the supplier by phone or via the internet. For details, see **Information and assistance** on page 2-17.

WARNING:

1. **Do not use the transceiver with any garage door opener that lacks the safety stop and reverse feature as required by safety standards. A garage door opener which cannot detect an object, signalling the door to stop and reverse, does not meet current safety standards. Using a garage door opener without these features increases risk of serious injury or death.**
2. **When programming the transceiver to a garage door opener or entry gate, make sure that people, the vehicle and objects are out of the way to prevent potential harm or damage as the gate or garage door will activate during the programme.**

Programming

Note: For best results, fit a new battery to the hand-held transmitter of the garage door opener (or other device) before programming. If your garage door opener receiver (located in the garage) is equipped with an antenna, ensure that the antenna is hanging straight down.

1. Switch off the engine.
2. Press and hold the two outermost buttons (1 and 3) on the transceiver, releasing only when the indicator light begins to flash after 20 seconds.

Note: Do not repeat step 2 when programming the additional buttons.

3. Hold the end of the hand-held transmitter approximately 2 to 6 inches (50 to 150 mm) away from the transceiver in the roof console, keeping the indicator light in view.

Using both hands, simultaneously push the hand-held transmitter button and the chosen transceiver button (1, 2 or 3). The transceiver indicator light will flash, first slowly and then rapidly. When the indicator light flashes rapidly, release both buttons. The rapid flashing light indicates successful programming of the frequency signal.

4. Press and hold the programmed transceiver button to activate the programmed device and release when the device begins to activate.
5. If, after 90 seconds, the indicator light does not flash rapidly, release both the transceiver and the hand-held transmitter buttons and repeat the procedure starting with Step 2. However, position the hand-held transmitter at a different angle and/or distance.
6. The device must now be 'trained' for operation from the transceiver. See **Training procedure** on page 2-17.

Programming hints and tips

If the device does not operate you may need to complete the steps outlined in the section **Rolling code programming** on page 2-17.

Some entry gates and garage door openers may require you to replace Step 4 with the procedures in the section **Gate programming**.

If you are programming a rolling code equipped device, continue with the procedures outlined in the section **Rolling code programming** on page 2-17.

Note: Keep the original transmitter for future use or programming procedures if, for example, you purchase a new vehicle.

Caution: It is recommended that when you sell or dispose of the vehicle, the programmed transceiver buttons be erased for security purposes.

Canadian programming

Gate programming

Canadian frequency laws, and the technology of some entry gates, require you to press and re-press (cycle) the hand-held transmitter button every two seconds during programming.

Continue to press and hold the desired transceiver button while you cycle your hand-held transmitter until the indicator light flashes rapidly.

Note: When programming a garage door opener or entry gate, unplug the device during the 'cycling' process to prevent possible motor failure.

Rolling code programming

Rolling code garage door openers (or other rolling code devices) which are 'code protected' may be determined by the following:

- Reference the device owner's instruction manual for verification.
- The hand-held transmitter appears to programme the transceiver correctly, but does not activate the garage door.
- Press and hold the programmed transceiver button. The device has the rolling code feature if the transceiver indicator light flashes rapidly and then turns solid after two seconds.

To programme a garage door opener or other device with the rolling code feature, follow these steps after completing the section **Programming** on page 2-16.

Information and assistance

If you would like additional information on the HomeLink® Universal Transceiver, compatible products or to purchase other accessories such as the HomeLink® lighting package, contact your Jaguar Dealer, or HomeLink at 1-800-355-3515 or on the Internet at www.homelink.jci.com.

Training procedure

Note: The aid of a second person may make the following training procedure quicker and easier.

1. Locate the training button on the garage door opener receiver (or other device). Exact location and colour of the button may vary. If there is difficulty locating this button, refer to the instruction manual supplied with the device.

Note: Following step 2 there are 30 seconds in which to initiate step 3.

2. Firmly press and release the training button on the receiver which will activate the training light.
3. Firmly press and release the transceiver button. Press and release the transceiver button a second time to complete the training process. Some devices may require you to do this step a third time to complete the training.

The device should now recognise the transceiver signal and activate when the transceiver button is pressed.

The remaining buttons may now be programmed if this has not been previously done.

Reprogramming a transceiver button

To programme a device using a button that has previously trained, follow these steps:

1. Press and hold the desired transceiver button. Do not release until step 4 has been completed.
2. When the indicator light begins to flash slowly (after 20 seconds), position the hand-held transmitter 2 to 6 inches (50 to 150 mm) away from the transceiver surface.
3. Press and hold the hand-held transmitter button.
4. The transceiver indicator light will flash, first slowly and then rapidly. When the indicator light begins to flash rapidly, release both buttons.

The previous device has now been erased and the new device can be activated by pushing the transceiver button that has just been programmed. This procedure will not affect any other programmed transceiver buttons.

Erasing programmed transceiver buttons

Individual buttons cannot be erased, however, to erase all three programmed buttons:

1. Press and hold the two outermost buttons until the indicator light begins to flash after 20 seconds.
2. Release both buttons.

The transceiver is now in the train, or learning, mode and can be programmed at any time following steps 3 and 4 in the section **Programming** on page 2-16.

WARNING:

The manufacturer is not responsible for any radio or TV interference caused by unauthorised modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

Approvals for radio transceiver

Country	Approval No.
USA	CB2JAGHL3

Occupant protection

Seat belts

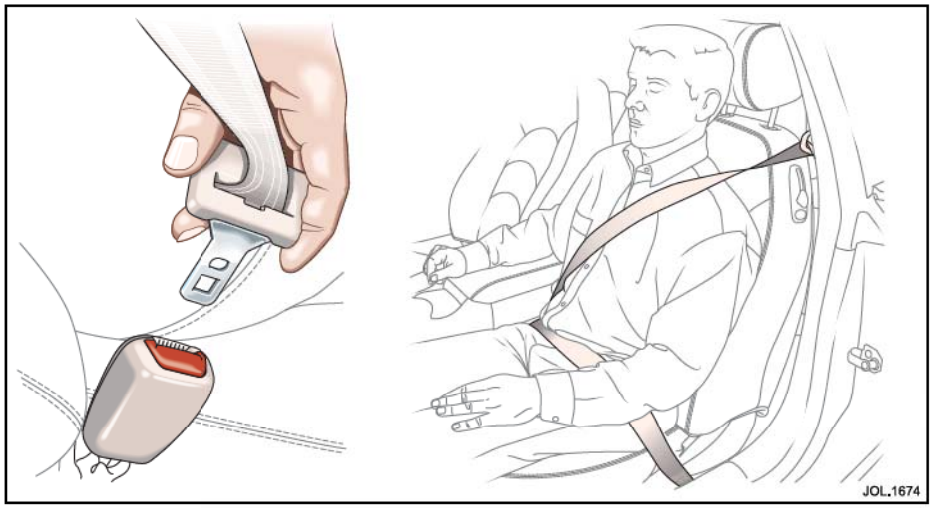
The use of front and rear seat belts is mandatory in most countries. Using seat belts saves lives. They should be worn by all occupants whenever the vehicle is in use, for maximum protection.

Lap/shoulder inertia reel seat belts are provided for both front occupants and rear seat positions. The inertia operating mechanism of the seat belts allows the wearers to move their upper bodies to reach various controls. The seat belts lock automatically with accelerated body movement or in the event of emergency braking.

The front seat belt assemblies have belt pretensioners and force limiters. These devices provide increased protection in the event of a severe frontal impact.

The pretensioners operate in conjunction with the airbags as part of the **Advanced restraint technology system** on page 3-3.

All passenger seat belt mechanisms incorporate an automatic locking device to allow child seats to be secured safely. See **Child safety** on page 3-10.



Seat belt fitting

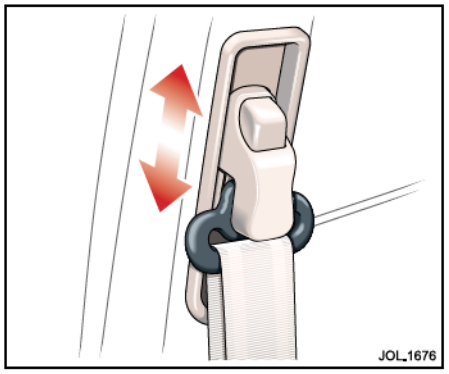
WARNING:
Do not adjust the seat belt while driving.

Draw the tongue of the seat belt over the shoulder, across the chest and push it into the buckle unit slot. A positive 'click' indicates that it is safely locked.

The use of devices that create slackness in the seat belt system are not advised.

Always ensure that the webbing is midway between the neck and the edge of the shoulder. Correct tension is controlled by automatic retraction of the reel. A warning light on the instrument panel is illuminated when the driver's seat belt is not fastened. (In some countries a warning signal sounds for six seconds.)

Note: If the vehicle is parked on unlevel ground, the seat belt mechanism may lock. This is not a fault, gently ease the belt from its attachment to unlock it.



Front belt height adjustment

To adjust the front seat belt heights (coupe only), press the locking button and slide the anchorage so that the seat belt webbing passes over the shoulder without pulling against the neck. Release the button and check that the anchorage point is locked.

Always check the anchorage point after the seat has been adjusted to ensure that the belt is correctly positioned.

Inertia reel mechanism check

Static test: Whilst seated, fasten the seat belt and grip the shoulder belt at approximately shoulder level with the opposite hand. Pull the belt sharply downwards, the belt should lock.

Road test: The following road test must be carried out only under maximum safe road conditions.

With the seat belt correctly fitted to the driver and passenger(s), drive the vehicle at 5 mph (8 km/h) and, ensuring that it is safe to do so, brake sharply.

The seat belt(s) should lock automatically, holding both driver and passenger(s) securely in position.

It is important when braking that the reactions of both driver and passenger(s) are normal, that is, the body must not be thrown forward in anticipation, thus causing a snatching action of the belt which would operate the locking mechanism.

If the belt fails to lock on either test, consult a Jaguar Dealer.

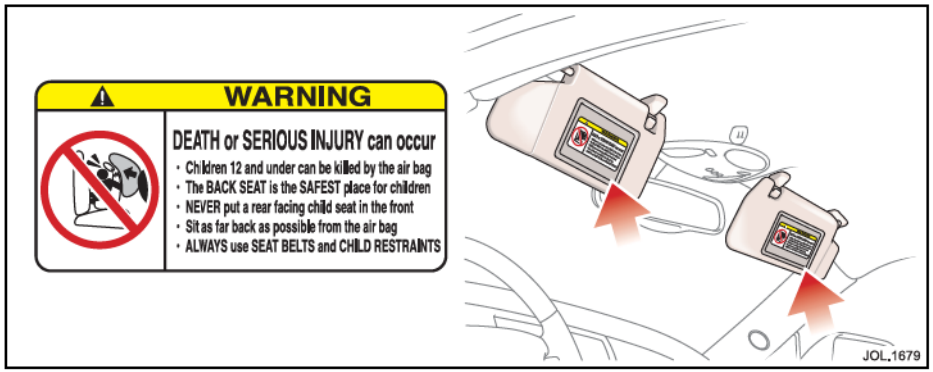
WARNING:

1. **Seat belts are designed to bear upon the bony structure of the body. The lap section of the belt must be worn low across the front of the pelvis and NOT across the abdominal area. Always ensure that the webbing is midway between the neck and the edge of the shoulder.**
2. **Care should be taken to avoid contamination of the webbing with polishes, oils and chemicals, and particularly battery acid. Cleaning may safely be carried out using mild soap and water. If webbing becomes frayed, contaminated or damaged, discard it and fit a new seat belt.**
3. **It is essential to renew the entire assembly after it has been worn in a severe impact even if damage to the assembly is not obvious.**
4. **Belts should not be worn with the webbing twisted.**
5. **Each seat belt assembly must only be used by one occupant; it is dangerous to put a seat belt around a child being carried on the occupant's lap.**
6. **No modifications or additions should be made by the user which will prevent the seat belt adjusting devices from operating.**
7. **Should the seat belt not retract and remain at its static length, consult your nearest Jaguar Dealer immediately.**

Airbags

In order to provide optimum protection this vehicle is equipped with front and side airbags. They are used in conjunction with the seat belts to help protect occupants from upper body (thorax) and head injuries.

- The driver front airbag is located in the centre of the steering wheel.
- The front passenger airbag is located in the fascia panel immediately in front of the passenger seat.
- The head/thorax side airbags are fitted within the outboard bolsters of both front seats, and are identified by labels.



Airbag warning information is printed on the driver's and passenger's sunvisor (see illustration).

WARNING:

DEATH or SERIOUS INJURY can occur

Children 12 and under can be killed by the airbag.

The BACK SEAT is the SAFEST place for children.

NEVER put a rear-facing child seat in the front.

Sit as far back as possible from the airbag.

ALWAYS use SEAT BELTS and CHILD RESTRAINTS.

Advanced restraint technology system

The airbags and seat belt pretensioners are electrically controlled by an advanced restraints technology system.

Various sensors determine the direction and severity of an impact and the presence and position of front seat occupants. The system analyses this information then deploys the appropriate airbags only e.g. the side airbags where the impact is on that side only.

A system of sensors monitors the weight on the front passenger seat and the position of the front passenger. The proximity of the driver to the steering wheel is also sensed.

The occupancy sensing system is designed to confirm that a front passenger is properly seated as recommended:

Always sit centrally in the seat, remaining in contact with the seat back which for comfort should be rearwards of the vertical position.

Adjust the seat to be as far back from the fascia as practical.

Always wear seat belts.

Airbags are not deployed in a rear impact.

Airbag deployment

To do their life-saving job, airbags must inflate rapidly and with considerable force. There is therefore a risk of death or serious injuries such as fractures, facial and eye injuries or internal injuries, particularly to occupants who are not properly restrained by seats belt or sitting correctly when the airbag deploys.

The risk of injury from a deploying airbag is greatest close to the trim covering the airbag.

The whole sequence of events from sensing the impact to full inflation of the bag takes place in a fraction of a second.

The noise and gas associated with the deployment of the airbags is not injurious to health.

After airbag deployment, it is normal to notice a smoke-like, powdery residue or smell the burnt propellant. This may consist of cornstarch, talcum powder or sodium compounds that result from the combustion process that inflates the airbag.

Small amounts of other chemicals may be present which may irritate the skin and eyes, but none of the residue is toxic.

While the system is designed to help reduce serious injuries, it may also cause minor burns, abrasions, swelling or temporary hearing loss.

WARNING:

1. **No objects whatsoever should be attached to the centre cover of the steering wheel, the passenger fascia panel, the sides of the front seats or the interior trim immediately above the door openings. Do not put anything on or over the airbag inflation area. Placing objects on or over the airbag inflation area may cause those objects to be propelled by the airbag into your face and torso causing serious injury.**
2. **Safety experts recommend a minimum distance of at least 10 inches (254 mm) between an occupant's chest and a front airbag.**
3. **Children 12 years old and younger can be killed or seriously injured by the airbag. The rear seat is the safest place for children.**

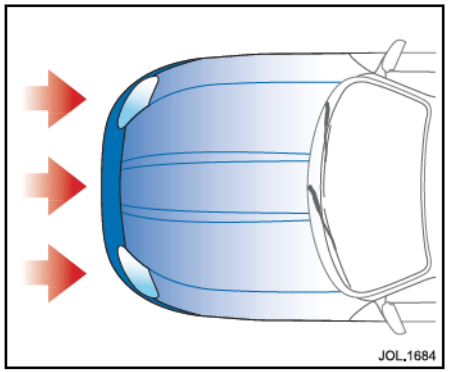
4. **Do not try to put an adult seat belt around two children.**
5. **Several airbag system components get hot after inflation. Do not touch them after they have deployed.**
6. **If an airbag is inflated, the airbag will not function again and must be renewed immediately. If a new airbag is not fitted, the unrepaired area will increase the risk of injury in a collision.**

Airbag disposal

WARNING:

Do not attempt to service, repair or modify the airbag system or its fuses. All work on the airbag system, including renewal after deployment and renewal at the end of its service life, must be carried out by an authorised Jaguar Dealer.

In the event of the vehicle being dismantled, airbag module removal and disposal MUST be made by a qualified person. Instructions can be obtained from an authorised Jaguar Dealer.

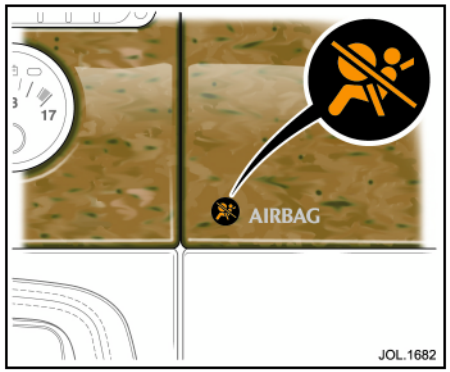


Front and side protection

In a frontal impact, as the occupant restrained by the seat belt moves forward, the head and chest come into contact with the inflated bag which then deflates in a controlled manner, via vent holes to absorb the remaining energy of the impact.

Similarly, with the side airbags, the airbag inflates upon side impact and breaks through the seat bolster stitching, protecting the driver or front passenger from upper body and head injury.

The noise and gas associated with the deployment of the airbags is not injurious to health.



Occupancy sensing

Both front airbags use a dual inflation technology which means, if activated, the bag(s) will deploy at either a normal or reduced level of inflation, depending on crash severity. Lower inflation level is also selected if the restraint system senses that the driver is close to the steering wheel.

The front passenger seat is monitored by ultra-sonic sensors and a seat weight sensor to determine the presence, weight and position of the front passenger.
In certain conditions, e.g. where no passenger is present, the appropriate airbags will be deactivated. In a collision these airbags would not be deployed.

Airbag deactivation warning light

The AIRBAG warning light on the passenger fascia is associated with the deployment conditions for front seat passenger airbags only.

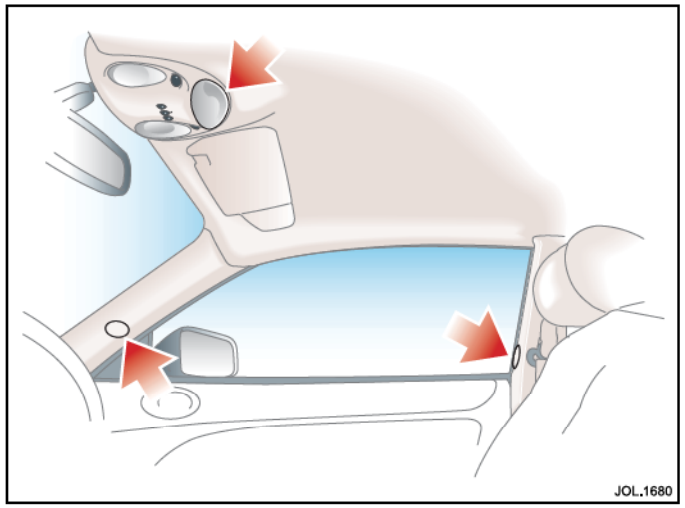
- If the seat is empty, the front airbag will not be activated and the light will not be lit.
- If the seat is occupied by, for example, a small child, the front airbag will not be activated and the AIRBAG warning light will be illuminated.
- If the seat is occupied by a larger child or adult, the front airbag will be activated and the warning light will not be illuminated.
- If the passenger adopts a posture (e.g. leaning very far forward) which could cause injury from an inflating airbag, the front passenger airbag will not be activated and the AIRBAG warning light will be illuminated.

Note: Whenever the AIRBAG warning light on the passenger fascia is illuminated, the front passenger airbag will not be deployed in the event of an impact. Where the airbags are not deployed, protection is provided by the seat belts.

Note: The occupancy sensing system is designed to confirm that a front passenger is properly seated as recommended:

- Always sit centrally in the seat, remaining in contact with the seat back which for comfort should be rearwards of the vertical position.
- Adjust the seat to be as far back from the fascia as practical.
- Always wear seatbelts.

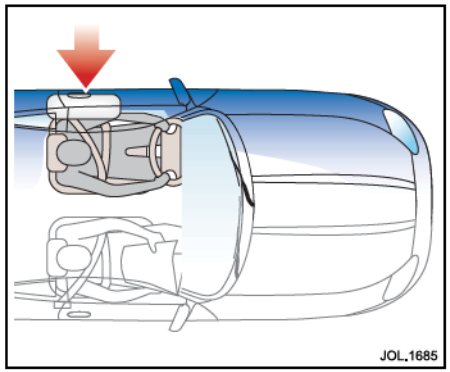
The seat adjustment controls are described on page 3-15.



Front passenger seat ultra-sonic sensors

WARNING:

It is important that the passenger position sensors (see illustration) are not obscured in any way which could affect airbag deployment, e.g. fitting non-approved accessories.



Side protection

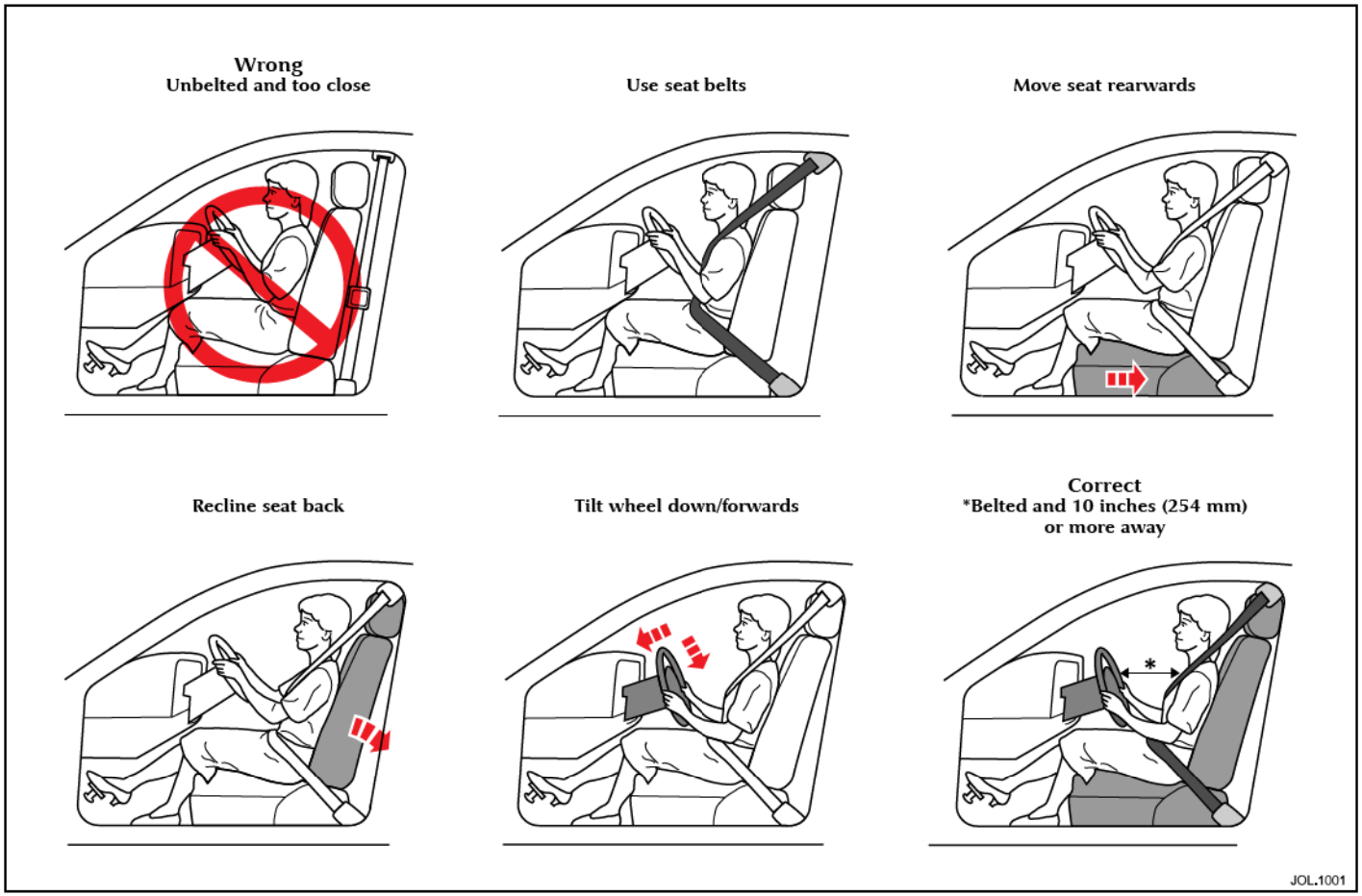
The side protection system utilizes two airbags mounted in the front seats.

When the seat mounted head/thorax side airbag inflates upon a vehicle side impact, it breaks through the seat bolster stitching, protecting the side of the rib cage and the head of the driver or front seat passenger.

Seat mounted head/thorax side airbags are designed to inflate in a side impact collision, not rollover, rear-impact, frontal or near-frontal collisions, unless the collision causes sufficient lateral deceleration.

The airbags, in combination with the seat belts, can help reduce the risk of severe injuries in the event of a significant side impact collision.

WARNING:
To ensure that the side airbags are fully effective:
DO NOT sit too close to, or lean against the door trim. The side airbag could injure you as it deploys from the side of the seat.
DO NOT lean out of the window.
Only use JAGUAR APPROVED accessories (e.g. seat covers).


Wrong
Unbelted and too close
Use seat belts
Move seat rearwards
Recline seat back
Tilt wheel down/forwards
Correct
*Belted and 10 inches (254 mm)
or more away
*
JOL.1001

Driving position

WARNING:

Driver and front seat passenger should always move their seats as far rearwards as is practical.

Ideally, drivers should sit with at least 10 inches (254 mm) between the centre of their breastbone and the cover of the steering wheel airbag.

Since the risk zone at the time of deployment is the first 2 to 3 inches (54 mm – 75 mm) from the airbag cover, sitting back 10 inches (254 mm) provides a clear margin of safety. Very few drivers are unable to achieve and maintain that safety gap.

The vast majority of drivers who do not now sit that far back can change their position and achieve that distance.

- Move your seat back as far as you can while still comfortably reaching the pedals.
- Recline the back of your seat one or two notches from the upright position. If reclining the back of your seat makes it hard to see the road, raise the seat.
- Tilt the steering wheel/column downwards so as to point the airbag at your chest instead of your head and neck. Adjust the steering wheel/column fore/aft so that it extends towards the driver as little as possible, ensuring that the airbag has plenty of room to deploy.
- Sit in the centre of the seat with the head as close to the head restraint as possible.

Note: Seat and steering wheel are described elsewhere in this section.

Airbag fault warning light

The airbag warning light in the driver's instrument cluster will be lit for approximately five seconds when the ignition is turned on.

If the light remains on or flashes, it indicates a fault within the airbag electrical circuits. Report the fault to a Jaguar Dealer immediately. It is safe to drive the vehicle; however, in an accident the airbags may not operate.

Airbag warning light information is shown in Section 4.

Child safety

WARNING:
Jaguar Cars Ltd. strongly recommend that at all times children should be carried in the rear seats.
Children of 12 years old and under can be killed or seriously injured by the airbag. The rear seat is the safest place for children.

WARNING:
DO NOT install a rearward-facing child seat in the front passenger seat position. This is emphasised by the label displayed on the end of the fascia on the front passenger side, as shown on the illustration.

If however, you must sit a child in the front passenger seat use only a forward facing child seat with the passenger seat set fully rearward. Always follow the fitting instructions supplied with the appropriate child restraint system.

In many countries legislation governs how and where children should be carried when travelling in a vehicle. It is the responsibility of the driver to comply with all regulations in force in the country where the vehicle is being used.

Holding a baby or child in a person's arms is **not** a substitute for a child restraint system. Do not use a seat belt to restrain more than one person.

In an accident, a baby or child held in a person's arms can be crushed between the vehicle's interior and a restrained person.

The child can also be injured by hitting the interior or by being thrown from the vehicle during a sudden manoeuvre or impact.

Injury can also be caused if the baby or child is allowed to ride on the seat unrestrained. Other occupants should also be properly restrained to help reduce the chance of injuring the child.

Do not allow children to stand in the space between the front seats, or on the rear seats.

Children must be restrained by the use of a child safety restraint applicable to their weight and size.

If child seats other than the ISOFIX type are used, the seat must be secured using one of the rear inertia reel seat belts.

Note: To ensure the maximum possible protection for your child, it is recommended that you use the safety restraints obtained from your Jaguar Dealer, who will also advise on how to fit them.

Child restraints

Always ensure that child restraint assemblies are fitted in strict accordance with the child restraint manufacturer's instructions.

- Carefully read the instructions supplied with the restraint. Be sure you understand them and can install and use the device properly and safely in the vehicle.

Look for the following when selecting a child restraint system:

- It should have a label certifying that it meets the applicable Regulations.
- Ensure that the child restraint system is appropriate for the child's weight and development. The label required by the standard or regulations, or instructions for infant restraints, usually provide this information.

Safe use of child restraints

Ensure that there is no slack in the webbing and that the restraint fits the child snugly across the rib cage and hips. These are the parts of the body most able to take the force of impact.

The lap strap should pass across the top of the child's thighs, bearing on the pelvis, not the abdominal area.

Infant safety

Babies and small children who cannot sit up by themselves should be carried in an approved Jaguar baby seat.

Securing a child seat with adult belts

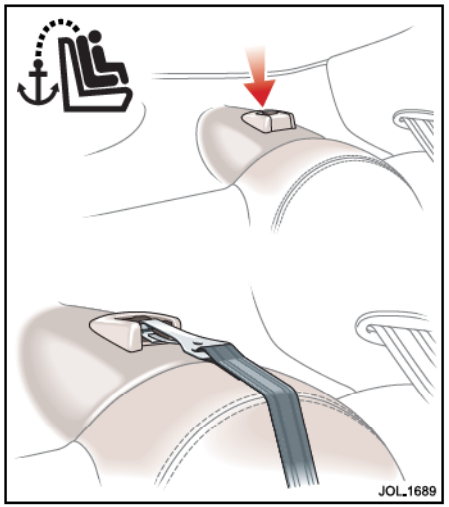
All passenger seat belts (not the driver's) have an automatic locking device for use with child seats.

If engaged, this device allows the belt to be retracted (tightened) but not pulled out. When used to secure a child seat, therefore, the belt will automatically lock at any point to which it has retracted.

- Fit the child seat in the correct position and secure with the seat belt in accordance with the manufacturer's instructions.
- Pull the seat belt all the way out to engage the locking device.
- To fix the seat firmly, retract the belt back onto the reel; a ratchet operation may be felt as the belt retracts. Continue to pay the belt back onto the reel until it fits snugly around the child seat.

The above is a guide only. Depending on the features of a particular child seat, e.g. forward or rearward facing, engage the locking device before or after attaching the belt, as convenient.

Unbuckling the belt and releasing the child seat will allow the belt to resume its normal operation.



Child restraint top tether brackets – Coupe

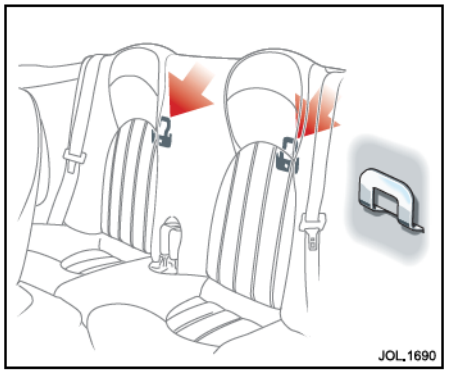
The top of the child seat is connected by a short strap to a top tether bracket to prevent any tendency of the seat to rotate. The top tether brackets are positioned on the rear parcel shelf, at the centre-line of each rear seating position.

Always fit the top tethers to correctly secure the seat.

Connect the top tether to the child seat (if it is not part of the seat) and to connect the fixed tether bracket on the parcel shelf. Adjust the length of the top tether strap to hold the top of the child seat snugly against the vehicle seat back.

WARNING:

Child restraint anchorages are designed to withstand only those loads imposed by correctly fitted child restraints. Under no circumstances are they to be used for adult seat belts or for attaching other items or equipment to the vehicle.



Child restraint top tether brackets – Convertible

The convertible top tether brackets can be located by reaching down behind the rear seat along the centre line of the seat. The child restraint top tether anchor can be fitted directly to the bracket.

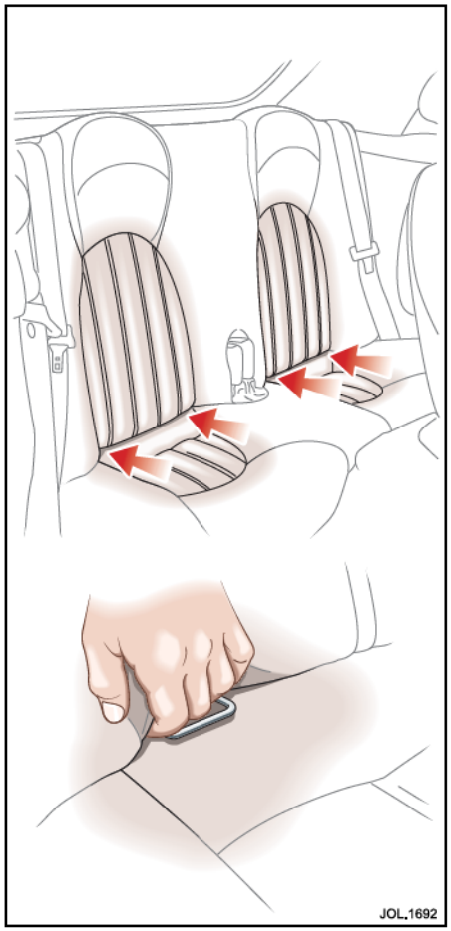
LATCH Child Restraints

(**L**ower **A**nchors and **T**ethers for **CH**ildren)

LATCH (also known as ISOfix) is a universal anchorage system which allows the child seat to be secured directly and easily to the vehicle body without the use of the adult seat belts. Many injuries to children in accidents are caused by the incorrect fitting and tensioning of the adult seat belts which are normally used to restrain the child seat. The LATCH system reduces the likelihood of incorrect fitting and is quicker and simpler to use.

The LATCH restraint system uses two metal anchorage loops for each seat (two seats may be fitted) fixed to the vehicle body behind the rear seat. The child seat, which must be specifically designed for LATCH fitting, is clipped onto the metal loops via either rigid extendable rails or flexible tether straps. A quick release mechanism is usually incorporated to allow easy removal of the seat.

The vehicle has been designed to accept the anchorage loops, which if required, must be fitted as an accessory by a Jaguar Dealer. Child seats using the LATCH system must also be secured with a top tether (see previous subsection).

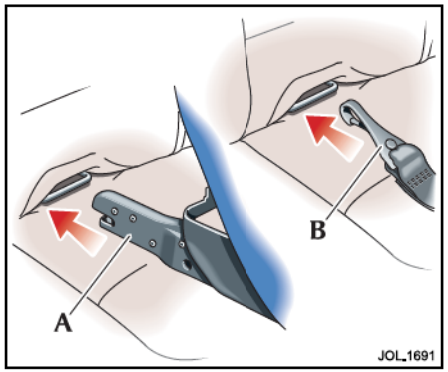


The seat anchorage metal loops are fitted to the metal panel immediately behind the rear seats, in the gap between the seat cushion and seat back.

Carefully, with one hand, separate the gap between the seat cushion and seat back to expose the anchorage points.

LATCH Seats

Caution: Ensure that the child seat has been certified for universal fitting. When fitting a LATCH child seat, the seat manufacturers instructions must always be followed. The following descriptions are to be considered only as a guide.



Rigid Lower Attachment (A) – Operate the mechanism on the seat to extend the two lower fixing bars. Align the rear of the fixing bars to the two LATCH loops accessible through the plastic guides, which were fitted previously, between the vehicle rear seat cushion and seat back. Push the seat assembly rearwards; when the bar engages in the slot, a trigger will be operated which locks the attachment bars onto the loops.

Slide the seat rearwards along the bars until it is locked firmly against the vehicle seat back. Confirm that it is securely locked in position.

Flexible Lower Attachment (B) – Clip the flexible lower fixing straps to the two LATCH loops accessible through the plastic guides, which were fitted previously, between the vehicle rear seat cushion and seat back.

Adjust the length of each strap until the seat is held firmly against the vehicle seat back. Confirm that it is held securely in position.

Child Seat Top Tether – The top tethers are a standard fit (see previous subsection) and are used in combination with the lower (LATCH) tethers to secure the seat. The top of the seat is connected by a short strap to the top tether to prevent any tendency of the seat to rotate about the lower anchorages.

Connect the top tether to the child seat (if it is not part of the seat) and pass it under the vehicle rear head restraint to connect to the fixed tether bracket on the parcel shelf. Adjust the length of the top tether strap to hold the top of the child seat against the vehicle seat back.

Seat adjustment

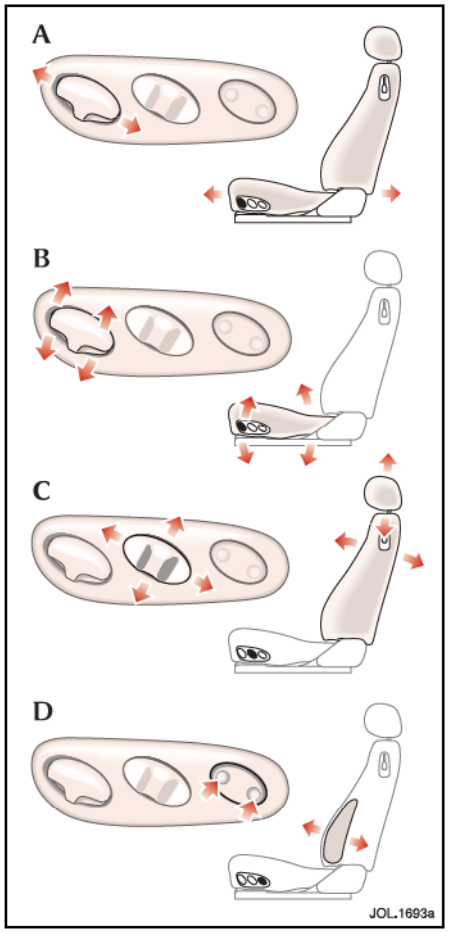
WARNING:

1. **Do not make adjustments when the vehicle is moving.**
2. **Front passengers must not ride with the seat fully reclined.**
3. **Before making rearward, height or reclining seat adjustments, check that the rear passenger has adequate leg-room.**

Front seat adjustment

The front seats are adjusted electrically by three switches on the side of the seat cushion. Conditions for adjustment of seats:

- The associated door open or within 30 seconds of closing to allow adjustment on entering the vehicle.
- Key in ignition switch and gear selector in Park or Neutral.
- Driving position adjustments must not be made whilst in entry/exit mode.
- When the gear selector is not in Park or Neutral, movement is limited to a maximum of 2 seconds to allow minor adjustments.



The full range of seat adjustments are:

(**A**) – Controls seat fore and aft position.

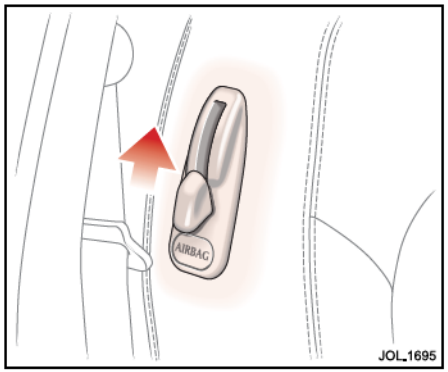
(**B**) – Controls seat cushion height and front tilt:

- Move the front of the switch up or down to raise/lower the front of the cushion.
- Move the rear of the switch to raise/lower the rear of the cushion.

(**C**) – Controls backrest angle (recline) and headrest height. The headrest may be manually tilted for optimum comfort.

(**D**) – Controls the lumbar support. With the ignition in position 'I' or 'II', press the front of the switch to increase support or the rear of the switch to reduce support.

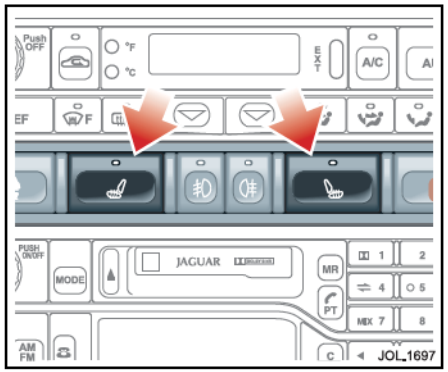
Seat adjustments for two people may be stored and recalled by the driver position memory system. See **Driving position memory system** on page 3-17.



Seat back tilt

The front seats tilt forward to allow access to the rear seat.

To tilt the seat forward: Lift the knob and push the seat forwards. The seat back will latch when returned to the normal position. As the seat back is tilted, the headrest automatically lowers to clear the roof. When the seat back is moved to the upright position, the headrest returns to the original height.



Front seat heaters

Each front seat back and cushion has a heater controlled by a switch on the centre console. This function only operates when the engine is running.

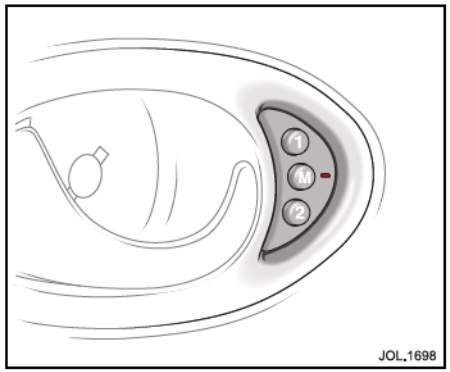
To operate: Press the switch.

The heater will only operate if the temperature of the seat is below the preset temperature of the thermostat.

To cancel: Press the switch again.

The heater will also switch OFF if the ignition is switched to position ‘0’.

Storage of the vehicle in a heated garage, body heat or warm ambient temperatures may prevent operation of the seat heater.



Driving position memory system

Setting a driving position (Memory set)

The position of the driver's seat, headrest, steering column and exterior rear view mirrors can be memorised and recalled. Two different driving position profiles can be entered in the memory.

Storing a driving position profile in the memory can only be achieved with the ignition switch in position 'I'.

1. Adjust the seat, headrest, steering column and exterior rear view mirrors to the desired position.
2. Push the memory (**M**) button. The LED in the switchpack next to the button will come on for a 4 second period, during which time the driving position profile must be entered.
3. Push the button '1' or '2' to memorise the configuration. The memory button light will go out and a chime will indicate that the setting procedure is complete.

By repeating these three steps and pressing the unused button (1 or 2), a second driving position can be stored in the memory.

To set a new driving position, adjust to the desired position and perform steps 2 and 3. The previous memory will be erased and the new position will be set.

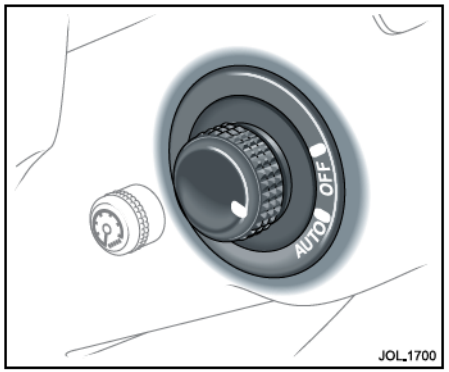
Recalling a memorised position

To recall a memorised position:
Press and hold the appropriate memory button (1 or 2) until all seat, steering column and door rear view mirror movement has stopped. A chime will sound when the memorised position is reached.

Driving position memory system operating tips

- When making adjustments to a set driving position, reset the new position in the same memory channel.
- A driving position will only be memorised if the ignition switch is in position 'I' and the memory button light is ON (4 second period).
- Previous memory is erased when a new driving position is entered.

Memorised driving positions cannot be recalled whilst the vehicle is in motion.



Steering column tilt and reach adjustment

WARNING:
Do not adjust the steering column whilst driving.

The steering column can be adjusted for tilt and reach by operating the four-way control switch on the steering column.

To adjust the steering column the ignition must be in position 'I' or 'II' and the gear selector in park or neutral. Adjustments can also be made within 30 seconds of closing the driver's door or putting in the ignition key.

Moving the switch forwards and backwards controls steering column reach. Moving the switch up and down controls tilt.

Entry/Exit mode – steering column tilt away

Entry/exit mode is selected by setting the steering column adjustment switch to the AUTO position.

When the key is removed from the ignition switch the steering column will move to the tilt away position, which is its uppermost tilt and innermost reach position.

The steering column position before tilt away is memorised.

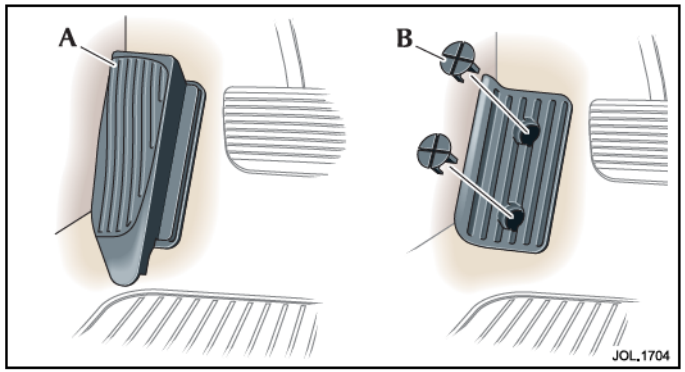
When the ignition key is next inserted in the ignition, the steering column will move back to its previously programmed position.

If a new driving position memory is selected, by pressing one of the memory buttons whilst the steering column is tilted away, the steering column will tilt back to the new selected driving position when the key is next inserted in the ignition.

Notes on entry/exit mode operation:

1. If the adjustment switch is moved away from AUTO whilst the steering column is tilted away, the steering column will move back to its memorised position when the key is next inserted in the ignition and the feature is then cancelled.
2. If the adjustment switch is moved during entry/exit operation, steering column movement will stop.

WARNING:
Do not use steering wheel mounted security devices since movement of the steering wheel in entry/exit mode could result in damage to the vehicle (e.g. the windscreen) or possible injury to the occupant.



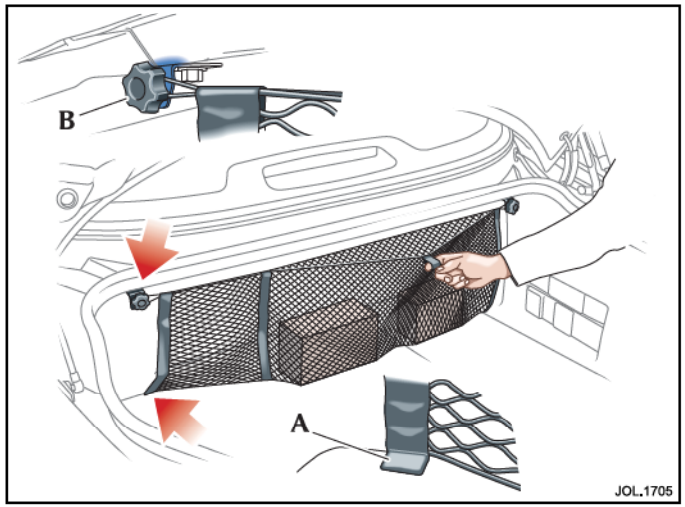
Footrest adjustment

Footrest and height extension

The footrest provided for the driver's left foot is attached to the floor by two bolts. The upper part (**A**), is a height extension, which if not required can be removed, after first releasing the front clip. When the extension is detached the two bolt hole plugs (**B**), may remain on the extension. These plugs must be removed and refitted into the bolt holes.

Low-level footrest

A low-level, one-piece footrest is available, from your Jaguar Dealer, which replaces the standard two-piece fitment.



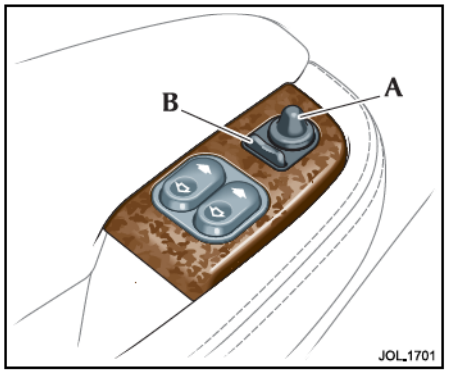
Luggage retaining net

The luggage net is used to prevent small items of luggage, bags or parcels from sliding around the luggage compartment floor.

Open the luggage compartment lid and locate the mounting hooks on the underside of the parcel shelf. Ensure the strap at the centre of the net is positioned facing rearwards.

Fasten each of the two velcro strips (**A**), to a convenient floor, side or rear panel carpet.

Fasten a loop at each top corner of the net over the luggage hooks (**B**). Using the strap, pull the net open and place the small items in the pocket formed between the two net layers.



Rear view mirrors

The interior rear view mirror is of the electrochromic type, and is operated by control buttons at the base of the mirror. Where electrochromic door mirrors are fitted, they are operated in conjunction with the interior mirror by the same controls.

The door mirrors have heating elements which work when the rear screen heaters are switched ON. The mirror heater will clear ice from the mirror surface.

Caution: Do not use a scraper as this will damage the surface of the mirror.

Door mirror adjustment

Adjustments can be made only if the ignition switch is in position 'I' or 'II', or the driver's door is open.

Both door mirrors are adjusted from the driver's door switchpack. The four-way toggle switch (**A**) moves the selected mirror to the required position.
The selector switch (**B**) selects the mirror to be moved:

- Far left position for the left-hand mirror.
- Far right position for the right-hand mirror.

When the selector switch is in the centre position, adjustment to either mirror is inhibited.

Door mirror dipping – reversing (vehicles with memory function)

To give the driver a clear view of the kerb when reversing, the passenger's door mirror can be dipped without erasing the memorised mirror position.

To operate: With the selector switch (**B**) in either the left or right position and reverse selected, move the toggle switch (**A**) rearwards and release (one-touch operation).

The mirror will dip by 7°. Further rearward movements of the toggle switch will dip the mirror in 7° increments.
The mirror will return to its memorised position when reverse gear is deselected, or the ignition is switched to position '0'.

Operating the toggle switch rearward and forward with reverse gear selected will dip and return the mirror as required.

Interior rear view mirror

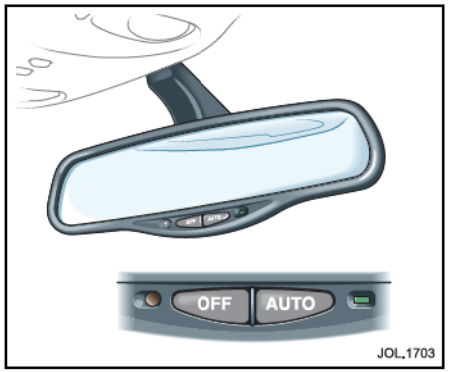
The interior rear view mirror is of the electrochromic type, and is operated by control buttons at the base of the mirror. Where electrochromic door mirrors are fitted, they are operated in conjunction with the interior mirror by the same controls.

When switched on, the mirror darkens automatically to prevent glare from a following vehicle's headlamps, and clears when light levels return to normal or when reverse gear is selected.

An optional mirror may be fitted which incorporates a compass direction display as well as electrochromic operation.

Note:

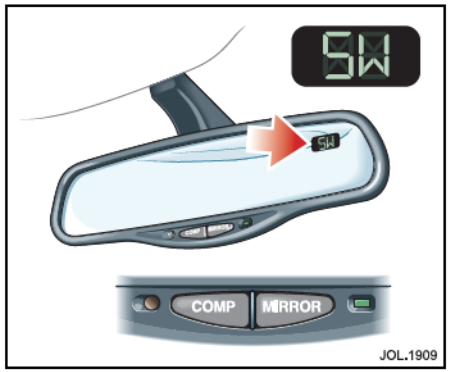
1. Should a mirror assembly become detached from the windscreen, it must be fitted by a Jaguar Dealer.
2. Ensure that the windscreen in front of the mirror is kept clean. Where fitted, the moisture sensor for wiper operation is located to the front of the mirror casing. Any dirt may affect the operation of this sensor.



Interior mirror (no compass)

To switch on electrochromic operation, press the AUTO button. An LED will illuminate to indicate that electrochromic operation is selected.

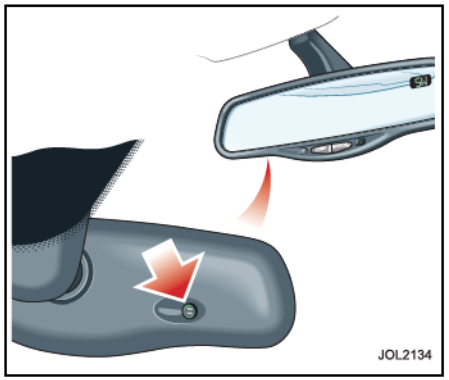
Press the OFF button to switch off electrochromic operation.



Interior mirror with compass

Electrochromic operation: To switch on, press the 'MIRROR' button. An LED lights up to indicate that automatic operation is selected.

Press again to switch off.



E-ZPass

If you have an E-ZPass it is advisable to mount the transmitter on the windscreen about 1 inch (25 mm) from the mirror mount and headlining and to the side of the mirror ensuring that it does not cover the forward facing light sensor. This also keeps it away from any metal which may affect it's operation. The forward facing light sensor position changes from the left to the right side of the mirror depending whether a compass is fitted or not.

Do not move the tag more often than need be as it can affect the calibration of the compass, if fitted.

Compass operation

When switched on, the compass display on the right-hand side of the mirror surface shows the direction the vehicle is pointing. Eight main directions can be displayed, e.g. 'N' for north, 'SW' for south west.

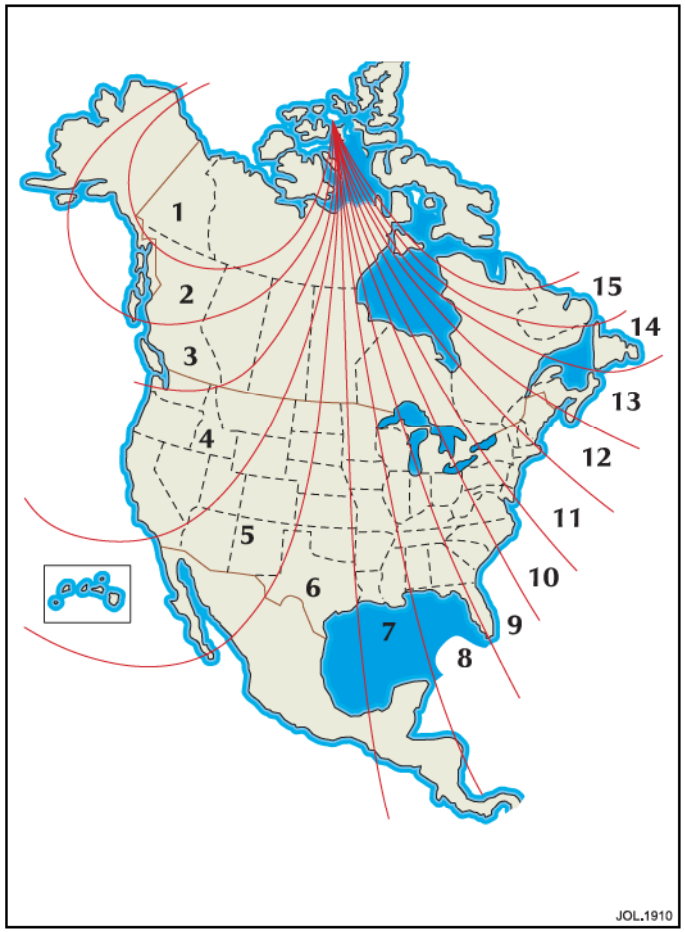
To switch on: Press the COMP button. Press again to switch off.

'C' displayed: If 'C' is displayed in the compass window, the compass must be calibrated. Drive the vehicle in a circle at less that 5 mph (8 km/h) until the display shows a direction. The compass will be calibrated once it has tracked a complete circle.

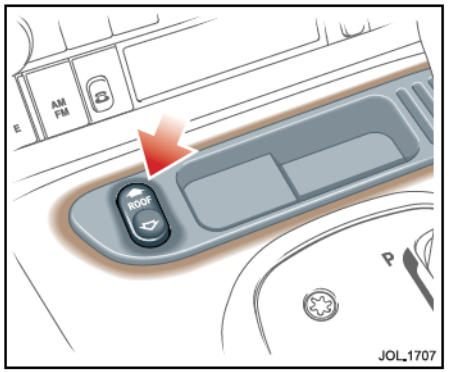
Incorrect direction displayed:
The compass responds to magnetic north but displays directions relative to true north. The difference between magnetic north and true north varies around the world and is separated into numbered zones as shown on the map. The correct zone number must be entered into the compass to show a heading relative to true north.

If the compass displays the wrong direction, it may be because the wrong zone number has been entered or the vehicle has moved to a different zone:

1. With the display turned on, press the 'COMP' button for 3 seconds until the zone selection number is displayed in the mirror compass window).
2. If the incorrect zone number is displayed, repeatedly push the 'COMP' button until the correct zone number is displayed.
3. The mirror compass will return to normal compass mode within 10 seconds of no button activity.



All display segments illuminated: If the vehicle is in the vicinity of strong magnetic fields, e.g. electricity power lines, the compass may show an erroneous display with all display segments illuminated. To correct, drive the vehicle away from the problem area and reset the compass by switching the ignition off and then on.



Power-operated convertible top

The power-operated convertible top and rear quarter windows are controlled by the switch marked 'ROOF' which is located just above the gear selector 'J' gate. The top latches and unlatches automatically. It should not be opened or closed when the vehicle is being driven, however, for convenience it may be operated at low speeds below 10 mph (16 km/h).

For the operating mechanism to function the ignition key must be in position 'I' or 'II'.

WARNING:

Before opening or closing the convertible top ensure that all occupants have moved their hands, fingers, hair, etc. from the hood linkage area, windscreen frame, door windows and rear quarter windows.

Caution:

1. **Before opening the convertible top, check that there is nothing on the rear area which could interfere with the top when folded down, especially considering the heated rear window.**
2. **Do not attempt to operate the convertible top at temperatures below 5°F (–15°C). This may cause damage to the fabric.**

The hood may be opened or closed at speeds below 10 mph (16 km/h). If this speed is exceeded when opening, the top will continue to move to its open position. If this speed is exceeded when closing, top movement will stop and it will return to the open position.

Note: When starting a journey with the convertible top open, remove the cover if there is a possibility that whilst driving it might be necessary to close the top.

To open the convertible top:

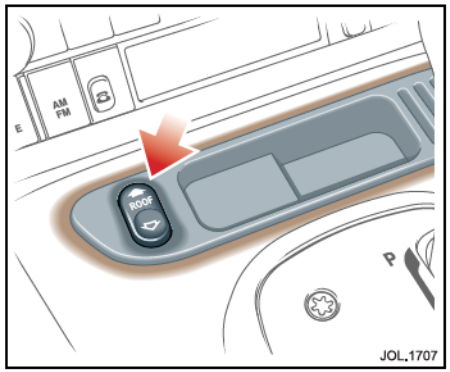
If parked:

1. Turn ignition key to position 'I' or 'II'.

If parked or driving at less than 10 mph (16 km/h):

2. Press and hold the rear of the ROOF switch. (Do not release the switch until the top is fully open.)
3. The rear quarter windows open, an audible warning sounds, and the top unlatches and starts to move. (If the front windows are fully closed they will open partially.)
4. When the top is fully open, the audible warning sounds again and the latch closes. (If the front windows were fully closed, they will return to the fully closed position.)
5. Release the ROOF switch.
6. When parked, refit the cover.

Note: The convertible top can also be opened or closed with the door key.



To close the convertible top:

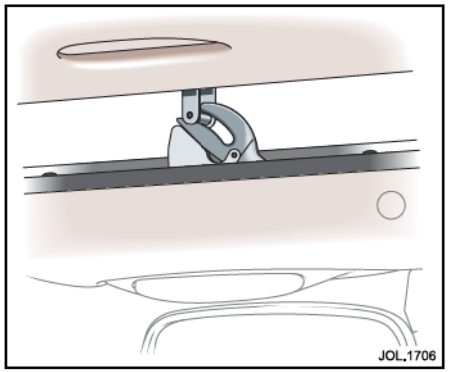
If parked:

1. Remove the cover.

Note: Turn ignition key to position 'I' or 'II'.

If parked or driving at less than 10 mph (16 km/h):

2. Press and hold the front of the ROOF switch. (Do not release the switch until the convertible top is fully closed and latched, and the rear quarter windows are fully closed.)



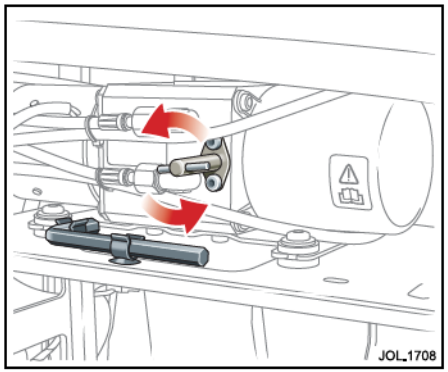
3. As the hood starts to move the audible warning will sound and the latch will open. (If the front windows are fully closed they will open partially.)
4. When the top is fully closed and latched, the audible warning sounds again and the rear quarter windows will close. (If the front windows were fully closed, they will return to the fully closed position.)
5. When the rear quarter windows are fully closed, release the ROOF switch.

Manual closure of convertible top

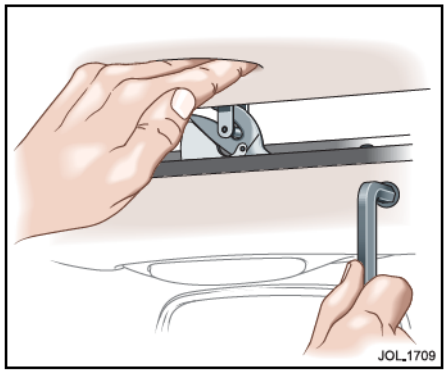
Should the convertible top mechanism fail to operate, contact your nearest Jaguar Dealer.

Caution: Do not attempt to open the convertible top manually, as damage to the linkage mechanism may occur.

If necessary, the convertible top can be closed manually, as follows:



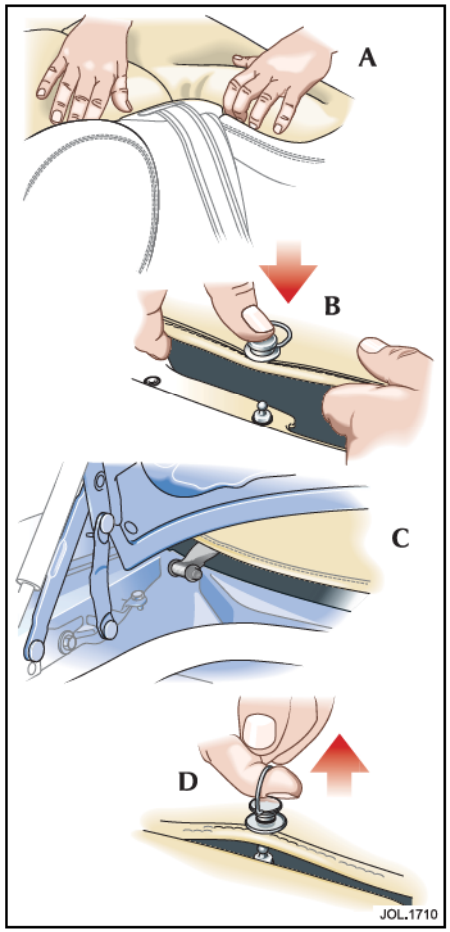
1. The convertible top operating pump is located behind the right-hand side trim panel in the luggage compartment. Pull the trim panel from the top to access the pump.
2. Turn the pump tap fully anti-clockwise (approximately 3½ turns).
3. Detach the Allen key clipped next to the pump body.
4. Remove the plug from the windscreen header trim panel and insert the Allen key into the screw socket.



5. If the latch is not in the raised position (see illustration), turn the screw fully clockwise using the Allen key.
6. Holding the convertible top by the header aperture, pull forwards until it is in the closed position.

Note: Ensure that the latch is correctly engaged with the convertible top.

7. With the Allen key, turn the screw in the header trim panel anti-clockwise, until the top is securely latched.
8. Replace the Allen key and turn the pump tap fully clockwise. Refit the trim panel and plug.



Convertible top cover

Caution: When the convertible top is open, always fit the cover to prevent soiling and damage.

To fit the cover:

1. With the convertible top fully folded down, remove the cover from the protective bag located in the luggage compartment.
2. Place the cover in position as shown (**A**). Tuck the cover sides inside the body and the front edge behind the rear seat.
3. Secure the front of the cover to the trim panel with the two ring-pull fasteners. Push each fastener onto the protruding stud as shown (**B**) **but without pulling on the ring**; the fastener will click into place to secure the cover.

Caution: Ensure that the cover fasteners are fully engaged since a flapping cover could damage the bodywork.

4. Close the luggage compartment lid to trap the three rear cover straps (**C**).

To remove the cover:

1. Open the luggage compartment.
2. Undo the fasteners by pulling up the lifting rings (**D**).

Remove the cover and carefully roll it with the lining innermost. Stow in the bag provided. Avoid crushing or placing heavy objects on the cover as permanent damage may occur.

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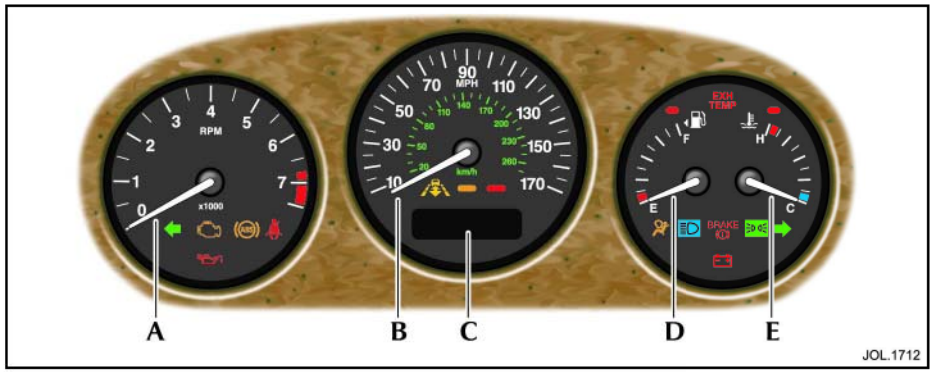


Instruments

None of the instruments will show correct indications until the ignition is switched ON (position 'II').

If the exterior light switch is ON the display brightness can be varied using the dimmer switch (see page 4-7).

Tachometer (A)

The tachometer indicates engine speed in revolutions per minute and is calibrated in increments of 500 extending to 7500 rev/min.

Speedometer (B)

Speed indication is in either:

USA – miles per hour, the outer figures, and kilometres per hour on the inner ring.

Canada and Mexico – kilometres per hour, the outer figures, and miles per hour on the inner ring.

Odometer (C)

Records the total distance covered by the vehicle.

Fuel level gauge (D)

Indicates the amount of fuel in the tank. The gauge works only with the ignition ON and in position 'II'. A warning light indicates when the remaining fuel has fallen to approximately 2.6 US gallons (10 litres).

Engine coolant temperature (E)

Indicates the temperature of the engine coolant.

Drive at moderate road and engine speeds until normal operating temperature is reached. This is indicated when the pointer is between the blue (cold) segment and the red (hot) segment.

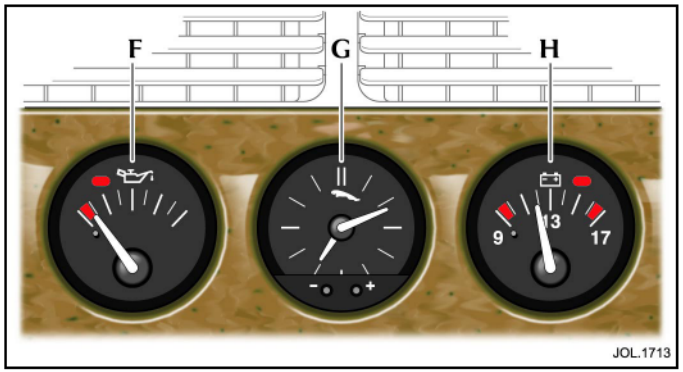
The engine operating temperature will vary with changes in weather and engine load. The engine temperature may rise in some circumstances, such as:

- Idling for long periods in slow moving traffic.
- Driving up a long hill in hot weather.
- Driving slowly or stopping after driving at high speed.

Should the pointer move into the red segment (**H**), stop the vehicle as soon as it is safely possible and allow the engine to cool. Switching off the climate control system may assist engine cooling.

WARNING:

Do not remove the pressure cap from the coolant expansion tank filler while the engine is hot.



The following gauges are situated on the fascia panel above the centre console.

Note: If a navigation system is fitted the gauges will no longer be part of the fascia and tell-tale lights on the instrument cluster will give indication of battery or oil pressure status.

The clock will displayed on the navigation screen when the system is switched on. To adjust the clock, please refer to the Navigation Handbook.

Oil pressure gauge (F)

Indicates the engine oil pressure, not the level of oil in the engine.

Caution: If the needle falls into the red segment, stop the vehicle as soon as it is safely possible and investigate the cause.

Clock (G)

The analogue clock can be adjusted by pressing the (+) and (–) buttons on the front of the dial. Pressing and holding either button will increase the rate of hand movement forwards or backwards as required.

Battery condition indicator (H)

Indicates the charge condition of the battery.

With the ignition in position 'II' and the engine not running, the pointer should be between 9 and 13 volts. If it is in the low red sector, the battery and/or charging system requires attention.

When the engine is running, above idle speed, the pointer should be between 13 and 17 volts. If the pointer is in the high red sector, the charging rate is too high and the cause must be investigated.

Warning lamps

A number of warning lamps are arranged within the dials of the two instrumentation clusters.

RED warning lamps are for primary warnings. AMBER warning lamps are for secondary warnings. Lighting and direction indicator warning lamps are BLUE or GREEN.

When activated, some warning lamps have associated messages displayed on the message centre, as shown in the table starting on page 4-8.

Lamp check

A lamp check cycle is initiated when the ignition is switched ON and lasts for three to four seconds (excepting the airbag warning lamp which will remain on for 5 seconds). The CHECK ENG and LOW OIL PRESSURE warning lamps stay on until the engine is running. If any warning lamp remains on after this period, investigate the cause before driving.

Not all lamps are included in the lamp check, for example main beam headlamps or direction indicators.

Low oil pressure

This lights up with the ignition switched ON and will stay on until the engine is running.

If the warning light stays ON when the engine is running, loss of oil pressure is indicated. STOP the engine immediately and investigate the cause.

Caution: **Do not restart the engine until the cause of loss of oil pressure has been identified and rectified.**

First check the engine oil level, see Section 7.

Adaptive cruise control

If adaptive cruise control is active, lights up to indicate that the vehicle is in 'follow mode' and automatically maintaining the desired gap to the vehicle immediately ahead.

Only applicable to vehicles fitted with adaptive cruise control.

Charge indicator

Lights up when the ignition is ON and should go out when the engine is running.

If the light stays ON when the engine is running it indicates that there is either a battery voltage fault or an alternator fault.

Turn OFF all electrical accessories, radio, climate control, rear screen heater etc. Try to use the minimum electrical load as possible such as power windows, electric sunroof etc.

Report the fault to a Jaguar Dealer.

Check engine

Lights up when the ignition is switched ON and remains on until the engine is started.

Brake

Lights up when:

- The ignition is ON and the parkbrake is ON.
- And/or the brake fluid is low.
- If the light is ON with the parkbrake NOT applied, low brake fluid is indicated. In this case, loss of braking assistance in either or both brake circuits may be imminent.

WARNING:
DO NOT drive the vehicle until the fault is rectified. Consult a Jaguar Dealer immediately.

Anti-lock braking system (ABS)

If a fault has been detected in the anti-lock brake system (ABS) this light will illuminate. The brake system will continue to function normally, but without ABS braking.

Should the light come on or stay on after the bulb check cycle, stop the vehicle at the first opportunity, turn the engine OFF and then restart.

If the ABS light comes on again, the vehicle should be driven to a Jaguar Dealer at the earliest opportunity.

Airbag

When the ignition switch is turned to position 'II', the warning lights comes ON for 5 seconds.

If the airbag system develops a fault, the warning light will flash and then come ON and remain on until the fault has been diagnosed and cleared.

Report the fault to a Jaguar Dealer immediately.

It is safe to drive the vehicle; however, in an accident the airbags may not operate.

Main beam

Illuminates when the main beam headlamps are switched ON or flashed ON.

Sidelights

Lights up when the sidelights are switched ON.

Direction indicators

The appropriate indicator tell-tale will flash when the column switch is moved up or down to signal a right or left-hand turn. If a direction indicator fails, the tell-tale will flash at twice normal rate when that indicator is selected. Fit a new bulb immediately.

If a bulb has failed, the audible ticking will sound at twice the normal rate.

Hazard warning lamps

When the hazard warning is selected, both direction indicator tell-tales flash simultaneously.

High coolant temperature

Lights up if the engine coolant temperature becomes too high (gauge pointer in the red segment). It is unsafe to run the engine with the coolant temperature overheated.

If the light comes ON, stop the vehicle and switch the engine OFF. Allow the engine to cool. Report the fault to a Jaguar Dealer.

WARNING:
Do not attempt to remove the pressure cap from the coolant expansion tank until the engine is cool.

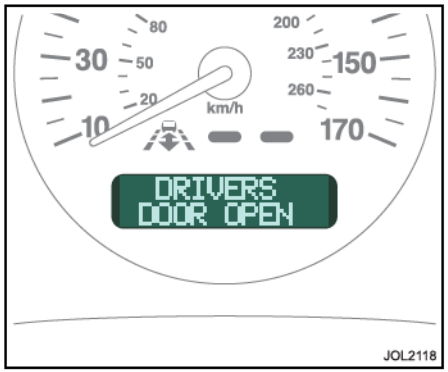
Seat belt

Lights up for 6 seconds when the ignition is switched ON and the driver's seat belt is not fastened. An audible warning sounds for 6 seconds.

Ensure seat belts are fastened before driving. If the warning light stays ON with the seat belt fastened, report the fault to a Jaguar Dealer. It is safe to drive the vehicle with the light ON, provided that the seat belts are properly fastened.

Low fuel level

Lights up to indicate low fuel level. This warning light is additional to the fuel level gauge and will come ON when the fuel has fallen to approximately 2.6 US gallons (10 litres).

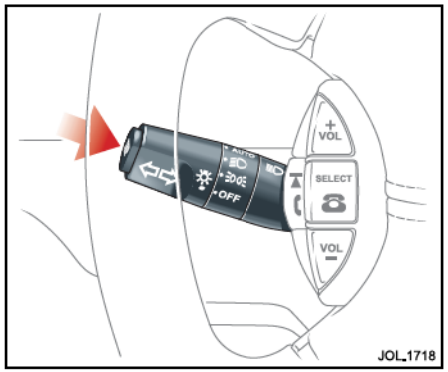


Message centre

Driver information, messages, and data are displayed on the message centre display panel situated within the speedometer.

The message centre has three functions. These are:

1. **Odometer:** Displays the total distance covered by the vehicle.
2. **Trip computer:** Displays information on the vehicle's average speed, fuel usage and range.
3. **Warning and information messages:** Displays status messages or warning messages if system faults are detected.



Selecting message centre functions

Message centre functions are selected by repeatedly pressing the trip function button on the left-hand column switch. The first press will switch from the odometer reading to the trip computer. Further presses will cycle through the trip computer data in sequence, until the odometer reading is displayed again.

Messages take priority over the odometer reading or trip computer data and, if active, will be displayed when the ignition is switched ON.

Odometer

When the ignition is switched ON the message centre displays the odometer reading.

The odometer will also be displayed if the ignition is in position '0' and the interior lights are ON.

The odometer reading is displayed in kilometres.

Warning and information messages

The message centre will display warning or information messages to the driver when the ignition is in position 'II'.

Most messages, when displayed, have an associated priority indicator lamp above the display which will come on to indicate the message priority:

Red lamp: Priority message
Amber lamp: Secondary message.

WARNING:
If a red warning lamp is displayed, stop the vehicle, or take appropriate action, as soon as possible.

A priority message must be investigated immediately by the driver or a Jaguar Dealer.

If more than one message is active, each is displayed in turn for 2 seconds in order of priority.

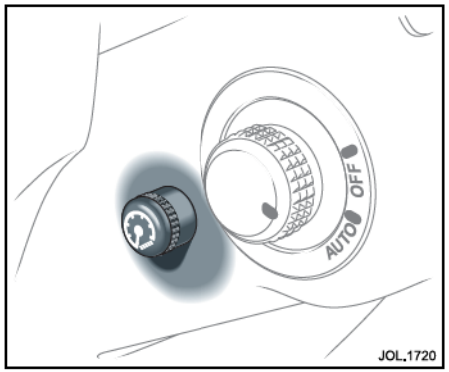
Clearing messages

Messages can be hidden by pressing CLEAR on the trip computer switchpack. One press will hide one message.
Once all messages have been hidden, the display will show trip data, a further press will display the odometer reading.
If CLEAR is pressed again all active messages will be re-displayed. Repeatedly pressing the CLEAR button will cycle through the trip odometer and message modes.

Hidden messages reappear after the ignition is switched OFF and ON again, if the fault remains.

If a fault occurs when in trip computer or odometer mode, the relevant message will be displayed immediately.

If a trip computer function is selected by pressing the function button while messages are displayed, the trip data will be displayed for 10 seconds, then the message will reappear.



Instrument illumination and dimmer switch

With the ignition switch in position 'II', the instruments, message centre, climate control and sound system displays will be illuminated. When the exterior lighting is switched ON, the instruments, message centre and roof console amber light may be dimmed by means of the dimmer switch. The climate control panel and radio will be illuminated at a low level. If the dimmer switch is set to the 'override' position, the instruments, message centre, climate control and audio system displays, will be illuminated at maximum brightness. Warning light brightness is not affected by the dimmer switch.

To operate: Rotate the knob to adjust the illumination to the required level. To select 'override', turn the knob fully anti-clockwise.

Message centre illumination

The message centre is illuminated at all times when the ignition is ON.

The illumination level can be adjusted by the dimmer switch.

Messages

Message	Priority Indicator	Meaning
SYSTEM CHECK	Both	Instruments self check immediately after ignition ON and language selection.
ENGINE STALLED	Red	Engine speed has dropped below 10 rev/min.
ENGINE COOLANT LOW	Red	Check the level in the coolant reservoir. Check temperature gauge often.
DRIVERS DOOR OPEN	Red	Check that the driver's door is closed before driving.
PASSENGERS DOOR OPEN	Red	Check that the passenger's door is closed before driving.
CONVERTIBLE NOT LATCHED	Red	Check that the convertible top is closed and locked.
DSC	Amber	DSC (Dynamic Stability Control) is operating.
DSC SYSTEM FAULT	Amber	Report the fault to a Jaguar Dealer. The vehicle may still be driven.
DSC SYSTEM ON (or OFF)	None	DSC has been turned on (or off). This message is displayed for a maximum of 4 seconds.
LIGHTS ARE OFF	None	If autolamps are fitted, exterior light switch is off, this message informs the driver that the exterior ambient light is low enough for the exterior lamps to be on if autolamps were active.

Message	Priority Indicator	Meaning
ENGINE SYSTEM FAULT	Red	Loss of power or driveability. **Do not drive the vehicle.** Report the fault to a Jaguar Dealer.
RESTRICTED PERFORMANCE	Amber	Loss of power or driveability. Report fault to Jaguar Dealer. The vehicle may still be driven.
	Red	Loss of power or driveability. Report fault to Jaguar Dealer. The vehicle may still be driven.
CHECK FUEL FILLER CAP	None	Fuel filler cap is open.
HOOD OPEN	Red	Check that the hood is closed securely.
TRUNK OPEN	Red	Check that the luggage compartment is closed securely.
TRANSMISSION FAULT	Amber	Transmission defaults to a limp home mode giving reduced operation. Drive with caution. Report fault to a Jaguar Dealer immediately.
HIGH TRANSMISSION TEMPERATURE	Amber	Transmission defaults to 'hot mode' to aid cooling. The vehicle may still be driven.
PARKBRAKE ON	Red	Check that the parkbrake is fully OFF.
CHECK REAR LIGHTS	Amber	Rear bulb failure.
LOW BRAKE FLUID	Red	Brake fluid is low.

Message	Priority Indicator	Meaning
LOW OIL PRESSURE	**Red**	Low oil pressure. This message is only displayed when the oil pressure gauge is fitted.
BATTERY NOT CHARGING	**Red**	Battery voltage is too high or too low or alternator indicates a fault. This message is only displayed when the battery condition indicator gauge is fitted.
WASHER FLUID LOW	**Amber**	Check the fluid in the windscreen washer reservoir.
SUSPENSION FAULT	**Amber**	Adaptive damping failure (where fitted). Report fault to a Jaguar Dealer. The vehicle may still be driven.
ELECTRICAL FAULT	**Amber**	lgnition supply fault. Possible reduced electrical operation. Most warning lamps will not operate. Report fault to a Jaguar Dealer immediately.
VALET MODE	**None**	Displayed for 3 seconds when the valet mode is activated and if interior luggage compartment release is pressed in valet mode.

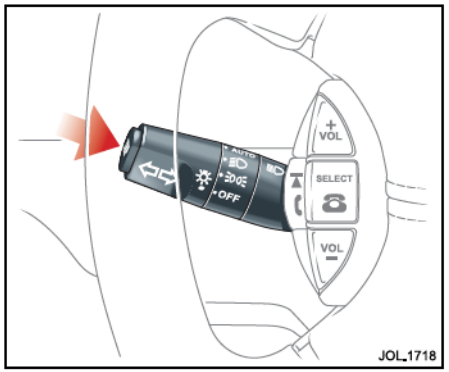
Message	Priority Indicator	Meaning
The following messages and associated warning lights will only appear if adaptive cruise control (ACC) is fitted and active. See **Adaptive cruise control (ACC)** on page 4-28.		
FWD ALERT ON (or OFF)	**None**	Forward alert on (or off).
FWD ALERT <- - ->	**None**	Forward alert sensitivity adjustment.
SET SPEED XXX MPH	**None**	Adaptive cruise control set speed.
GAP <- - ->	**None**	Adaptive cruise control set distance (time gap).
DRIVER INTERVENE	**Red**	Driver intervention required.
CRUISE NOT AVAILABLE	**Amber**	Adaptive cruise control malfunction.
CRUISE CANCELLED	**None**	Cruise control has been deactivated.
CRUISE OVERRIDE	**None**	Driver is pressing the accelerator pedal.
ACC SENSOR BLOCKED	**Amber**	Adaptive cruise control sensor field of view is obstructed.

Audible warnings

Various sounds are produced for warning and notification purposes as follows:

Hazard or Condition	Remedy/chime or tone
External lamps remain ON when the driver's door is opened.	Intermittent slow high-pitched chime for 10 seconds. Switch the lights OFF or close the driver's door.
Hazard warning indicators ON.	A ticking will sound until the hazard indicators are switched OFF.
Left or right direction indicators ON.	If the switch has not turned itself OFF, switch the turn indicator OFF when the manoeuvre is completed. A ticking will sound until the indicators are switched OFF.
Memory 1 or 2 configuration saved.	A short tone as the memory selection is saved.
Airbag system failure. (The audible warning only sounds in the event of airbag warning light failure.)	A high-pitched tone sequence is repeated five times every thirty minutes. Report the fault to a Jaguar Dealer as soon as possible.
Driver's seat belt unfastened with ignition switch in position 'II' (Taiwan and Middle East markets only).	A continuous 6 second tone. Fasten the driver's seat belt or switch ignition to position '0'.
Parkbrake ON warning.	A single high-pitched tone will sound when the vehicle reaches approximately 3 mph (5 km/h).
Luggage compartment release switch pressed when in valet mode or valet switch pressed when the luggage compartment is closed.	Low-pitched 1 second tone.

Hazard or Condition	Remedy/chime or tone
Park not selected with the ignition OFF.	Rapid interrupted low-pitched tone for 10 seconds.
Convertible top starting to close or open.	High-pitched single chime.
ACC Driver intervene.	Action is required by the driver to apply the brakes.



Trip computer

The computer memory stores data for a journey or series of journeys until it is reset to zero. Two independent memories are available (A and B) to allow two separate journeys to be recorded concurrently, e.g. work usage and evening/weekend usage.

All trip data displayed, apart from 'Range' and 'Instantaneous Fuel Usage' will be prefixed by the letter A or B depending on which trip memory was last selected.

The information is for guidance only, as it can be affected by traffic, road and weather conditions.

To display trip data on the message centre the ignition must be in position 'II'. Press the function button repeatedly to display the data in the following order:

Odometer

Total vehicle distance travelled.

Trip distance

Distance travelled since the last memory reset. The maximum trip reading is 9999.9 miles (16090 kilometres). The computer will automatically reset to zero if this distance is exceeded.

Range

Distance that the vehicle should travel on the remaining fuel, assuming average speed and fuel consumption stay constant.

Fuel used

The amount of fuel used since the last memory reset.

Average fuel

The display shows 'AVE FUEL'. Average fuel consumption since the last memory reset.

Instantaneous fuel usage

The display shows 'INST FUEL USAGE'. The 'at the moment' fuel consumption, calculated over a 3 second period and continuously updated.

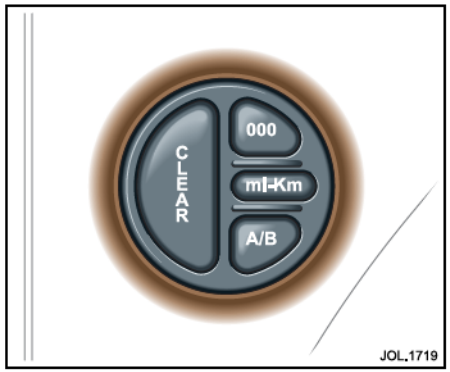
Average speed

For the distance travelled since the last memory reset.

Note on using the trip computer:

1. 'Range' and 'Instantaneous Fuel Usage' data is independent from the trip computer and cannot be reset. The data is common to both trip memories and is not prefixed by A or B on the display.

The trip memory data cannot be reset to zero if either 'Range' or 'Instantaneous Fuel Usage' is displayed.



The trip computer switchpack

000 – Sets the selected trip to zero.

A/B – Toggles between trip memories A and B, while memory data is displayed.

ml-Km – Selects metric or imperial data display.

CLEAR – Used to cycle through TRIP – ODO – MESSAGES.

Note: The 'A/B' and 'ml-Km' buttons are also used for the message centre language selection feature.

Trip data display

Warning and Information messages have priority over trip data and, if active, will be displayed when the ignition is ON.

To hide warning messages and display trip data, press the CLEAR button.

Note: If messages are not hidden, trip data can still be selected by using the function button. Trip data will be displayed for 10 seconds before the message is displayed again.

Resetting the trip computer

At the start of the journey, or series of journeys, to be recorded, reset the computer memory to zero as follows:

1. Press the trip function button to select a computer function. The computer will display either trip A or trip B data.
2. Press the A/B switch to select the trip (A or B) to be reset.
3. Press the 000 switch and hold for 3 seconds.
   The display will read:
   A: TRIP RESETTING
   or
   B: TRIP RESETTING

   Then it will reset and display:
   A: 0.0
   or
   B: 0.0

Note: Only the trip displayed (A or B) will be reset.

Selecting Metric/Imperial display

Pressing the 'ml-Km' switch displays data in metric or imperial units alternately. The units used for computer functions are:

FUEL USED – Gallons/Litres.

AVERAGE FUEL – miles per gallon/Litres per 100 km.

INSTANTANEOUS FUEL – miles per gallon/Litres per 100 km.

Language selection

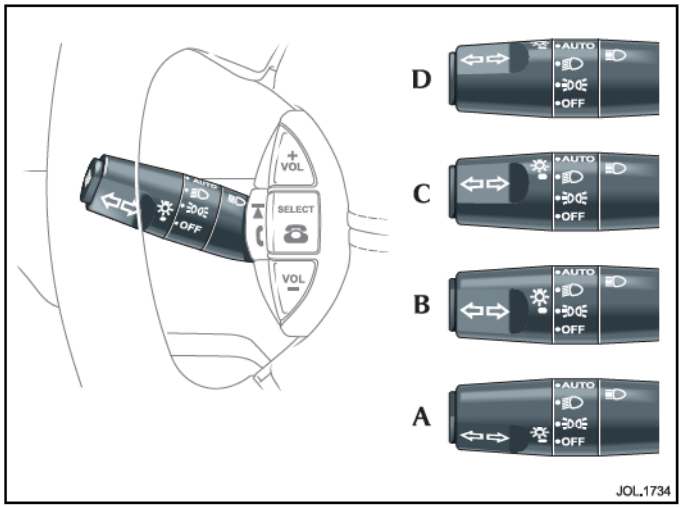
To obtain the language selection feature, press and hold the 'ml-Km' switch on the trip computer switchpack whilst turning the ignition key to position 'II'.

The first language displayed is the one currently selected. The language will be displayed for 10 seconds.

To cycle through the language options, press the 'ml-Km' switch repeatedly.

When the language required is displayed press the 'A/B' switch. The new language will be selected and displayed for a 2 seconds.

Press CLEAR or start the engine to display the odometer reading. (The odometer reading is automatically displayed after 10 seconds.)



Exterior lighting

All the exterior lights, with the exception of the front and rear fog lamps, are controlled by the left-hand column switch.

Note: The button on the end of the column switch cycles through the message display functions.

Sidelights, dipped headlamps and day time running lights

The rotary collar switch on the column has four positions:

Position (A) – OFF

All exterior lights off.

Canada only: Dipped headlamps, sidelights, tail, number plate and side marker lights will switch on automatically when the ignition is turned to position 'II'.

Position (B) – sidelights ON

Switches on front sidelights, tail, number plate and any other marker lights required by local legislation. In this position the sidelight icon is illuminated.

Canada only: All lights illuminated in position (**A**) remain on, except the dipped headlamps.

Position (C) – headlamps ON

With the ignition in position 'II', the headlamps switch on in addition to the lights illuminated in position (**B**).

If the ignition is switched to position '0' with the rotary collar in position (**C**), the sidelights, tail and number plate lights will remain on but the headlamps will switch off. When the ignition is again switched to position 'II', the headlamps will illuminate automatically.

Position (D) – auto headlamps

This facility causes the sidelights and dipped headlamps to switch on and off automatically in accordance with the external, ambient light level. The external light is monitored by a sensor mounted behind the interior rear view mirror.

To operate: With the ignition switch in position 'II', turn the rotary collar to AUTO position (**D**).

When the ambient light fades to a predetermined level, the sidelights and headlamps will automatically switch on after a short delay and the sidelight icon will illuminate.

When the ambient light increases to a predetermined level, the sidelights and headlamps will automatically switch off after a short delay.

It is recommended that the rotary collar on the column switchgear is left in the AUTO position at all times as a convenience feature.

Canada only: On vehicles fitted with daytime running lights, selection of AUTO headlamps, with the ignition in position 'II', will automatically illuminate the instrumentation to full brightness by day. When ambient light fades to a predetermined level or at night, turning on the exterior lamps allows the use of the instrument panel dimmer control switch.

Note:

1. Keep the windscreen clean and do not cover the sensor. Obstructing the light in this area may lead to unwanted operation of the sidelights and headlamps when the switch is set to AUTO.
2. If the windscreen wipers are switched on in AUTO, slow or fast modes, for more than 20 seconds, then the exterior lights will be switched on, if selected to autolamps mode. The lights will switch off 2 minutes after the wipers are switched off or will go off straight away if autolamps is deselected or the ignition is switched off.

Headlamp main beam (high beam)

With the lighting switch in the Headlamps ON position (**C**), push the column switch away from the steering wheel. The blue warning light on the instrument cluster comes ON.

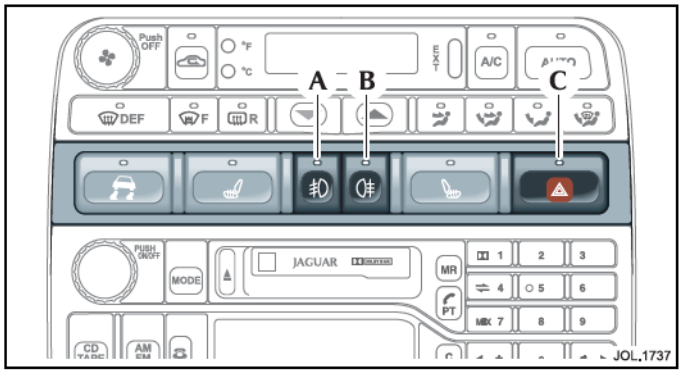
To flash the main beam headlamps, pull the column switch towards the steering wheel. The headlamps will remain ON for as long as the switch is held.

The main beam can be flashed with the ignition ON or OFF and the lighting switch in any position.

Note: Always switch to dipped headlamps when approaching traffic or when driving in urban areas.

Headlamp convenience

When approaching the vehicle, the sidelights and dipped headlamps can be switched ON by pressing the 'headlamp' button on the key-ring transmitter. The lights will come ON for 25 seconds or until the 'headlamp' button is pressed again.



Front fog lamp (A): Only works with the 'sidelights' or 'headlamps' switched ON.

Front fog lamps should not be used in conjunction with the headlamp main beam (high beam).

Rear fog lamp (B): Only works with the headlamps switched ON or the front fog lamps switched ON.

Press to switch the fog lamps ON. Press again to switch OFF. LEDs in the switches indicate when the fog lamps are ON.

When the sidelights are switched OFF, the fog lamps will automatically be cancelled.

If the sidelights switch is left ON when the ignition switch is turned to position '0', the fog lamps will switch OFF until the ignition switch is returned to position 'II'.

Hazard warning switch (C)

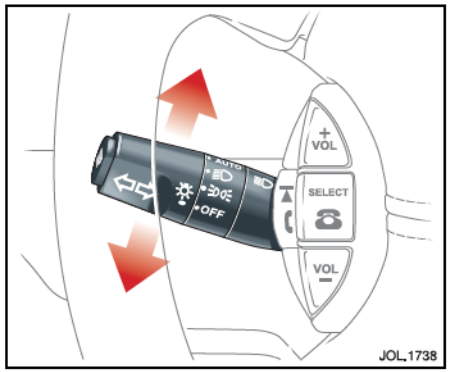
The switch is in the centre console switchpack and operates with the ignition ON or OFF.

Press to switch the lamps on. The direction indicators, repeaters (where fitted), tell-tales and audible warning will operate in unison. The switch will light up. To cancel, press the switch again.

Bulb failure monitoring

The tail and brake light bulbs are monitored for failure.

Message: **Check Rear Lights** Priority Indicator: **Amber**



Direction indicators

The direction indicators operate when the ignition is in position 'II'.

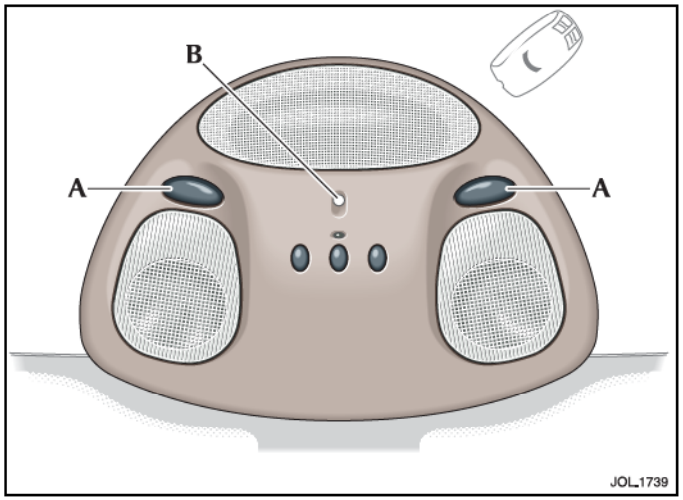
The left column stalk has two positions for indicating left or right turn.

The first position, moving the stalk up or down, causes the indicator to flash while it is held in this position. On releasing the stalk the indicators stop flashing.

The second position is a full movement of the stalk up or down to indicate for a right or left turn, which can then be released. The indicators will remain flashing and will cancel when the turn is completed.

An audible ticking and a flashing green arrow on the instrument cluster indicates that the selected direction indicator is ON.

Should a direction indicator bulb fail, the corresponding side green warning light will flash at twice the normal rate. The audible ticking will sound at twice the normal rate.



Interior lighting

Interior lights are fitted in the roof console (map lights and a low level amber light [**B**]) and the driver and passenger footwells. The rear of the cabin is lit by a single roof mounted light (coupe only).

The interior lights can be switched ON independently by pressing the appropriate switch (**A**). If the ignition is in position '0' the light will go out after 15 minutes. The amber roof light (**B**) is switched ON with the exterior lights and the illumination level is set by the instrument panel dimmer control.

All interior lights fade ON and fade OFF when switched. For driver convenience, the lights operate in the following manner:

The lights come ON when either door is opened and stay ON for 15 seconds after both doors are closed. If a door is left open the lights will go out after 2 minutes. If the doors are closed after 2 minutes, the lights will come ON again for 15 seconds.

If the engine is running the lights go out as soon as both doors are closed.

Locking the vehicle or starting the engine switches the lights OFF immediately.

When the vehicle is unlocked by either key or key-ring transmitter, the lights will come ON at ¾ maximum brightness (for a maximum of 2 minutes if the door is not opened) and then switch to maximum brightness when a door is opened.

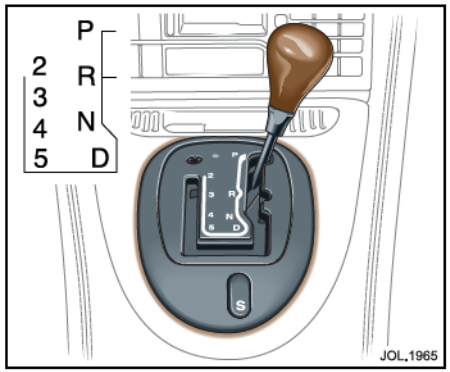
Note: The luggage compartment, vanity mirror and glove box are illuminated when in use. These lights and the map lights will work for up to 15 minutes after the ignition has been switched to position '0', if no other switch is operated.

Door guard lights

Door guard lights are fitted to each door to illuminate the 'step-out' area at night and to give warning of an open door to overtaking vehicles.

The light comes ON automatically when the door is opened and switches OFF when the door is closed.

If the door is left open the light remains ON for 5 minutes and then switches OFF.



Automatic transmission

The six-speed automatic transmission is designed to accommodate different driving styles and automatically adapt shift patterns to suit varying road/driving conditions.

The switch marked 'S' on the 'J' gate surround enables the driver to select either normal 'N' or sport 'S' transmission modes.

In addition to the 'switched' transmission modes ('N' and 'S') the transmission control module will select shift patterns to suit specific conditions. These are:

Cruise control – When cruise control is operating at set speed the transmission selects a shift pattern to suit cruise control operation.

Dynamic stability control – When dynamic stability control is switched ON and the system is activated, the transmission selects a shift pattern to suit dynamic stability control conditions.

Gradients – When the vehicle is being driven on roads with uphill gradients, the transmission selects a shift pattern designed to make better use of engine power and aid engine cooling.

Under the conditions described above, the relevant transmission mode will override the 'N' or 'S' modes selected by the driver. When such conditions no longer exist, e.g. Cruise Control switched OFF, the transmission will revert to the shift pattern previously selected by the driver, i.e. 'N' or 'S'.

'J' Gate selector

The 'J' gate gear selector lever is designed to accommodate two different driving techniques as follows:

1. **Automatic selection.** The right-hand side of the selector gate is less cluttered than a conventional selector.
2. **Manual selection.** The left-hand side of the selector gate may be used for manual selection.

Note: Both sides of the 'J' gate can be used irrespective of the transmission mode, e.g. with 'S' selected the transmission can be operated in full automatic or by manual selection.

Gear selector positions

WARNING:

The parkbrake or brake pedal must be applied before selecting forward or reverse drive from a stationary position.

Note:

1. After selecting forward or reverse drive ranges from Neutral or Park, wait briefly for the transmission to engage before accelerating.

2. When in Neutral or Park the engine can only be accelerated to 4500 rev/min (all cars).

P **Park** – Only use when parking. Apply the parkbrake before selecting park.

R **Reverse** – Do not select if the vehicle is moving forward.

The reversing lights come ON automatically with 'R' selected and the ignition switch in position 'll'.

N **Neutral** – Disconnects the driveline from the engine. Use with the parkbrake when stopping temporarily.

D **Drive** – All six gears are changed automatically as required by the throttle position and road speed.

2, 3, 4, 5 – Second, third, fourth, fifth – If selected, the transmission operates automatically but will not engage gears higher than the one selected.

Drive to fifth

When driving in gear position 'D' with sixth gear engaged, the gear selector can be shifted horizontally across the gate to '5'. Provided that the vehicle's speed is not too great, the transmission will shift down to fifth.

Sixth will be inhibited until the gear selector is moved back to 'D'.

Starting and stopping

The engine cannot be started until the gear selector is in 'N' or 'P'.

When the vehicle is stationary the gear selector may be left in 'D', '2', '3', '4' or '5', unless the vehicle is to be parked. When stopping for traffic lights, junctions etc., apply the parkbrake and select 'N'.

Note: When the ignition switch is in position '0', an audible warning will sound for 10 seconds if the gear selector is not in 'P'.

Engine braking on downhill gradients

To achieve appropriate levels of engine braking when driving on roads with long downhill gradients, position '3' or '2' may be selected depending on road and traffic conditions.

When the gear selector is moved from 'D', '5', '4' or '3' down to '2', downshift to second gear will only take place at appropriate road speeds.

Reverse inhibit

Selecting reverse is inhibited when the vehicle is moving forward above 5 mph (8 km/h).

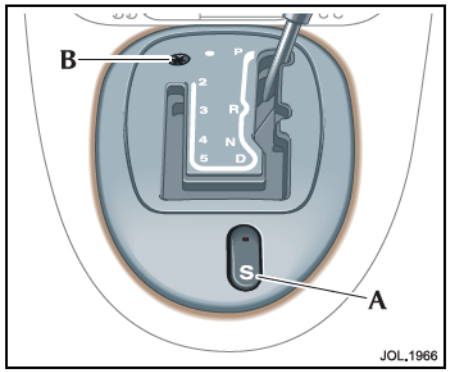
Note: Reverse inhibit will not function in limp home mode.

Kickdown

Kickdown is operated when the accelerator pedal is pressed fully down, beyond the normal operating spring pressure, to provide maximum engine performance. Kickdown is used in circumstances where rapid acceleration is required, such as when overtaking.

Kickdown causes the transmission to change down to the lowest gear possible to achieve maximum acceleration. The gear engaged depends on the road speed at the time of kickdown.

As well as shifting down, the gear-shift points are extended to give greater performance. This mode is in effect for as long as the pedal is pressed fully down.



Sport mode

Switch (**A**) selects either normal 'N' or sport 'S' mode.

When sport mode is selected the gear-shift points are extended to make full use of the engine's power reserves.

To operate: Press the switch (**A**).
The switch lights up to indicate that sport mode has been selected. Press the switch again to cancel sport mode.

Gear-shift interlock

A brake pedal/gear-shift interlock system is incorporated in the gear selector mechanism. Once the ignition key has been removed, the gear selector is locked in position 'P'. Also the ignition key cannot be removed from the ignition until the gear selector has been moved to position 'P'.

To move the gear selector from position 'P':

1. Turn the ignition key to position 'II' or start the engine.
2. Press the brake pedal.

To remove the ignition key move the gear selector to Park 'P'.

Gear-shift interlock manual override

In the event of the gear-shift interlock failing to operate, the gear selector can be unlocked from the 'P' position manually as follows:

1. Apply the parkbrake.
2. Remove the screw-in plug (**B**) using a suitable tool.
3. Insert the ignition key (or similar shaped tool) into the hole.
4. Push the key/tool down gently and hold whilst simultaneously moving the gear selector out of 'P', but not into Reverse.

Caution: Do not move the gear selector fully into Reverse until the ignition key/tool has been removed from the 'J' gate.

5. An audible warning will sound when the gear selector is moved from 'P' provided the ignition is OFF.
6. Remove the ignition key/tool and move the gear selector into Neutral for starting. Refit the plug.

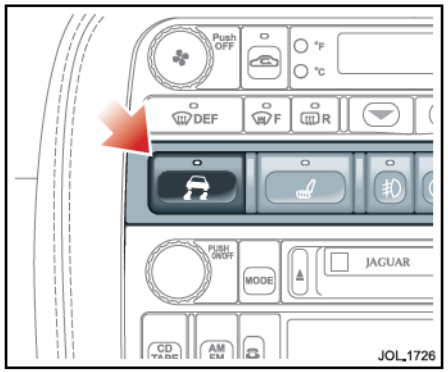
Limp home mode

In the unlikely event of an electrical or mechanical failure, transmission operation will be impaired. The vehicle gear selector ranges P, R, N, D can still be used to enable the vehicle to be driven to a safe area.

The driver should be aware that the vehicle's performance will be reduced and must take this into account when driving. In this event consult a Jaguar Dealer **immediately**.

Message: **Transmission Fault**
Priority Indicator: **Amber**

For details of vehicle recovery, see **Vehicle recovery** in Section 6.



Dynamic stability control (DSC)

Unless it has been switched off, dynamic stability control is operational whenever the engine is running. When the system is operating, the warning lamp in the instrument cluster will flash.

The DSC system controls the anti-lock braking system (ABS), traction control and yaw control of the vehicle.

Yaw control determines the vehicle's direction relative to the driver's inputs (sideslip and under/oversteer). It applies braking pressure to individual wheels if excessive variation is detected.

This ensures that the vehicle follows the driver's intended directional travel.

Traction control will intervene to prevent wheel spin, by automatically reducing the power output from the engine and applying braking to individual wheels.

This improves acceleration, particularly on surfaces with uneven friction, for example, one wheel on ice the other on tarmac.

ABS helps to prevent the road wheels from locking and skidding during emergency braking.

The dynamic stability control system can be switched OFF by pressing the switch on the centre console switchpack.
The warning lamp in the instrument cluster will remain on and a message will be shown to indicate that the system has been switched OFF. If the switch is pressed again the system is switched ON.

Note: If cruise control is engaged it will automatically disengage if stability control activates.

A system malfunction is indicated by the message:

DSC FAULT
Priority Indicator: **Amber**

It is safe to drive the vehicle but the system may not activate under wheel spin or slide conditions. Report the fault to a Jaguar Dealer as soon as possible.

WARNING:

1. **The fact that the vehicle is fitted with Dynamic Stability Control must never allow the driver to be tempted into taking risks which could affect his/her safety or that of other road users. In all cases it remains the driver's responsibility to drive safely according to the prevailing conditions.**
2. **It is recommended that, if using snow chains, DSC should be switched OFF.**

Anti-lock braking system (ABS)

This system helps to prevent the road wheels from locking and skidding during emergency braking, assisting the driver to maintain full steering and directional stability.

The factor controlling ultimate stopping distance and cornering ability is tyre/road adhesion.

WARNING:

1. **It remains the driver's responsibility to drive safely according to prevailing conditions.**
2. **The fact that a vehicle is fitted with ABS must never allow the driver to be tempted into taking risks which could affect his/her safety or that of other road users.**
3. **The addition of ABS cannot overcome the consequences of trying to stop in too short a distance, cornering at too high a speed, or the risk of aquaplaning.**
4. **The driver should always take road conditions into account. A slippery road surface always requires more braking distance for a given speed, even with ABS. A possible increase in stopping distance compared to locked wheels may occur during ABS operation on slushy snow, gravel, sand, or some heavily corrugated or ridged warning sections of road surfaces.**

ABS optimises tyre/road adhesion under maximum braking conditions though it cannot provide increased cornering ability. There is no need for special braking techniques, such as 'pumping' the brakes, to achieve optimum braking distances and control on poor or slippery road surfaces. Tyres must be in good condition to achieve maximum adhesion.

During normal braking the ABS will not be activated. However, if the braking force applied begins to exceed tyre/road adhesion the ABS will automatically activate, preventing the road wheels from locking.

In these circumstances a pulsating effect will be felt from the brake pedal indicating that the system is functioning.

The pulsating effect is due to small fluctuations in pressure supplied to the brakes by the system to maintain full tyre/road adhesion.

Under severe braking on some road surfaces tyre noise may be apparent even though the wheels will at no time become locked.

ABS monitoring

The ABS control module monitors the ABS electrical system from ignition switch ON to ignition switch OFF.
Any malfunction will be indicated by the anti-lock warning light coming on.

Should a fault develop in the ABS system, the brake system will still operate conventionally and with the same standard of performance as vehicles not equipped with ABS.

Caution: Consult a Jaguar Dealer immediately if the warning light comes on while driving, a system failure is indicated.

Advice on ABS braking techniques

For optimum ABS performance the instructions on braking techniques during ABS operation should be followed:

1. Do not release brake pressure when the pulsating effect is felt. Maintain a constant pressure until the manoeuvre is completed.
2. To familiarise yourself with the feel of the brake pedal during ABS braking, practise an emergency stop procedure, always making sure it is safe to do so. With the seat belts fitted to all occupants, drive the vehicle at 20 mph (32 km/h) and brake sharply.
3. ABS enables the driver to steer around obstacles during emergency braking. However, the consequences of turning sharply at high speed cannot be overcome by the ABS.
4. Do not attempt to 'pump' the brakes to avoid skidding as this can interfere with the ABS operation. The ABS will not allow the wheels to skid under normal road conditions.
5. The ABS will tend to keep the vehicle straight during braking. Because braking distances may increase under certain road conditions, it is necessary to plan and make turning manoeuvres as early as possible.

Cruise (speed) control

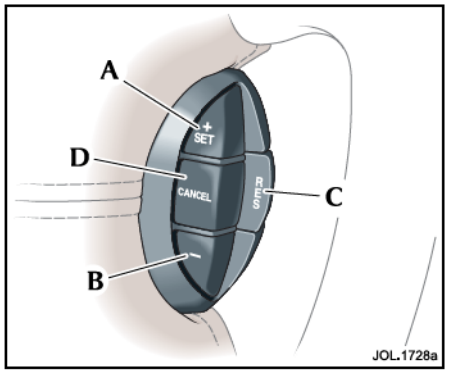
The cruise (speed) control system can be used by the driver to maintain a selected vehicle speed above 15 mph (24 km/h) without the driver having to use the accelerator. Switches on the steering wheel allow the driver manual control of the system. Brake and clutch operation also influences the cruise control system.

(**A**) – **SET +** to set the speed or accelerate.

(**B**) – '–' Decelerate.

(**C**) – **RES** to resume the set speed retained in memory.

(**D**) – **CANCEL** cancels cruise control but retains the set speed in memory.



Setting vehicle speed

WARNING:
Only use cruise control when conditions are favourable, for example, straight, dry, open roads with light traffic.

When you are travelling at the speed you require, which must be above 15 mph (24 km/h), press the SET button.

Cruise control will engage and maintain the set speed and you can remove your foot from the accelerator pedal.

Note: Cruise control will automatically disengage when the brake pedal is pressed or when the vehicle speed falls below 15 mph (24 km/h).

Changing the set speed

There are three ways to change the set speed:

1. Accelerate or decelerate to the desired speed then press the SET (+) button.
2. Increase or decrease the speed by pressing and holding either SET (+) or (–) until the desired speed is obtained, then release the switch.
3. Increase or decrease the speed in steps of 1 mph (2 km/h) by briefly pressing either the SET (+) or (–) until the desired speed is obtained.

Resuming the set speed

If the vehicle is accelerated above the set speed, then the set speed will be resumed when the accelerator pedal is released.

If CANCEL is pressed, or the brake or clutch pedal is pressed, the cruise control will disengage but the set speed memory will be retained. Press RESUME and the vehicle will return to the set speed.

Note: Cruise control will not resume at speeds below 15 mph (24 km/h).

RESUME will not operate if the ignition has been turned off.

Caution:

1. **RESUME should only be used if the driver is aware of the set speed and intends to return to it.**
2. **It is not recommended to resume set speed when a low gear is selected as excessive engine speeds will occur.**

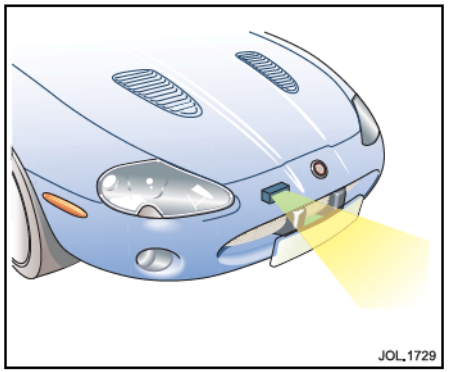
Cruise control automatic switch off

Cruise control will switch off and clear the memory when:

- The ignition is switched to position '0'.
- A fault occurs. The cruise control system will switch OFF and cannot be used until the fault is cleared.
- The parkbrake is applied.
- Maximum vehicle speed is reached.

Cruise control will switch off but the set speed will remain in the memory when:

- The CANCEL button is pressed.
- The brake pedal is pressed.
- Speed falls below 15 mph (24 km/h).
- Neutral, Park or Reverse gear positions are selected.
- Traction control or DSC is operating.
- The difference between the actual and set speed is too great.
- When the set speed is above 90 mph (144 km/h); cruise control will disengage automatically after approximately 20 minutes.
- The accelerator pedal is used to accelerate beyond the set speed for too long a period.



Adaptive cruise control (ACC)

(Where fitted)

The adaptive cruise control system is designed to aid the driver to maintain a gap from the vehicle ahead or a set road speed if there is no slower vehicle ahead. The system is intended to provide enhanced operation of the vehicle when following other vehicles which are in the same lane and travelling in the same direction.

The adaptive cruise control system is based on the use of a radar sensor which projects a beam directly forward of the vehicle so as to detect objects ahead.

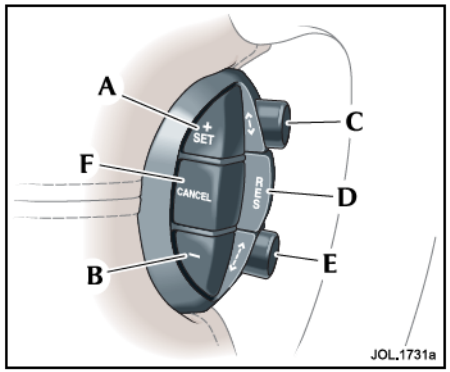
The radar sensor is mounted behind a cover on the left-hand side of the lower cooling aperture, to provide a clear 'view' forward for the radar beam.

WARNING:

Adaptive cruise control is not a collision warning or avoidance system. Additionally, adaptive cruise control will not detect:

1. **Stationary or slow moving vehicles below 6 mph (10 km/h).**
2. **Pedestrians or objects in the roadway.**
3. **Oncoming vehicles in the same lane.**

- Only use adaptive cruise control when conditions are favourable, that is, straight, dry, open roads with light traffic.
- Do not use in poor visibility, specifically fog, heavy rain, drizzle or snow.
- Do not use on icy or slippery roads.
- It is the drivers responsibility to stay alert, drive safely and be in control of the vehicle at all times.
- Keep the front of the vehicle free from dirt, metal badges or objects, including vehicle front protectors, which may prevent the sensor from operating.
- Do not use ACC when entering or leaving a motorway.



The system is operated by six switches mounted on the steering wheel.
The driver can also intervene at any time by use of the brake or accelerator pedals.

The steering wheel switches operate as follows:

(**A**) – **'SET +'**: Set speed or accelerate.

(**B**) – '–': Decelerate.

(**C**) – **<->** Gap decrease.

(**D**) – **'RES'**: Resume set speed.

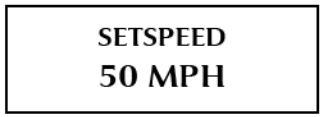
(**E**) – **<--->** Gap increase.

(**F**) – **'CANCEL'**: Cancels without erasing memorised speed.

Setting a speed

Accelerate as normal until the required speed is reached.

Press the 'SET +' button (**A**) briefly and the vehicle speed will then be stored in the memory and the system engaged. The set speed will be displayed on the message centre.



Entering the follow mode

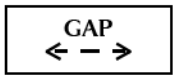
WARNING:

When in follow mode the vehicle will not decelerate automatically to a stop, nor will the vehicle always decelerate quickly enough to avoid a collision without driver intervention.

Once a set speed has been selected, the driver can release the accelerator and the set road speed will be maintained.

When a vehicle ahead enters the same lane or a slower vehicle is ahead in the same lane, the vehicle speed will be adjusted automatically until the gap to the vehicle ahead corresponds to the preset gap. The vehicle is now in 'follow mode'.

The warning light in the instrument cluster will be illuminated.



And the message centre will display the gap set.

The vehicle will then maintain the constant time gap to the vehicle ahead until:

- The vehicle ahead accelerates to a speed above the set speed.
- The vehicle ahead moves out of lane or out of view.
- The vehicle ahead slows so that 'low speed automatic switch off' occurs.
- A new gap distance is set.

If necessary, the vehicle brakes will be automatically applied to slow the vehicle to maintain the gap to the vehicle in front.

The maximum braking which is applied by the ACC system is limited and can be overridden by the driver applying the brakes, if required.

Note: Driver braking will cancel adaptive cruise control.

If the ACC system predicts that its maximum braking level will not be sufficient, then an audible warning will sound while the ACC continues to brake. This is accompanied by a red warning light and 'DRIVER INTERVENE' will be displayed on the message centre. The driver should take IMMEDIATE action.

When in follow mode the vehicle will automatically return to the set speed when the road ahead is clear, for instance when:

- The vehicle in front accelerates or changes lane.
- The driver changes lane to either side or enters an exit lane.

The driver should intervene if appropriate.

Low speed automatic switch off

If the speed of the vehicle decreases below 18 mph (30 km/h), the ACC system will be automatically switched OFF and the instrument warning lamp will go out.

If the brakes were being applied by the ACC system, they will be slowly released.

This will be accompanied by an audible warning, a red warning light and 'DRIVER INTERVENE' will be displayed on the message centre. The driver must take control.

Overriding the set speed/follow mode

WARNING:

Whenever the driver is overriding the ACC by depressing the accelerator pedal, the ACC will not automatically apply the brakes to maintain separation from any vehicle ahead.

The set speed and gap can be overridden by pressing the accelerator pedal when cruising at constant speed or in follow mode.

If the vehicle is in follow mode, the instrument warning lamp will go out when the ACC is overridden by the driver using the accelerator.

'CRUISE OVERRIDE' will be displayed on the message centre. When the accelerator is released the ACC function will operate again and vehicle speed will decrease to the set speed, or a lower speed if follow mode is active.

Changing the set speed

There are three ways to change the set speed:

1. Accelerate or brake to the required speed and press the 'SET +' button (**A**).
2. Increase or decrease the speed by pressing and holding either the 'SET +' or '–' button until the required set speed is shown on the message centre. The vehicle speed will gradually change to the selected speed.
3. Increase or decrease the speed in steps of 1 mph (2 km/h) by briefly pressing the 'SET +' or '–' button.

ACC operates between approximately 20 mph and 110 mph (34 km/h and 180 km/h) dependent on the country specification.

Set speeds outside this range will not be captured.

The ACC may apply the brakes to slow down the vehicle to the new set speed. The new set speed will be displayed on the message centre for four seconds after it has been changed.

Changing the gap

The gap from the vehicle ahead can be decreased or increased by pressing the rocker switches (**C** and **E**) on the steering wheel. Four gaps are available and the selected gap setting will be displayed on the message centre when either button is pressed. After the ignition is switched ON the default gap will be automatically selected ready for ACC operation.

Note: It is the driver's responsibility to select a gap appropriate to the driving conditions.

ACC automatic switch off

Adaptive cruise control will disengage, but not clear the memory when:

- The CANCEL button (**F**) is pressed.
- The brake pedal is pressed.
- The vehicle speed falls below 18 mph (30 km/h).
- Neutral, Park or Reverse gear positions are selected.
- The parkbrake is applied.
- Traction control is activated.

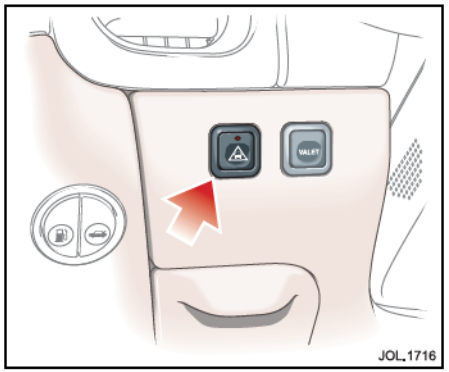
Adaptive cruise control will disengage, and clear the memory when:

- The ignition switch is set to position '0'.
- Maximum vehicle speed is reached.
- A fault occurs in the ACC system.

Resuming the set speed/follow mode

By pressing the resume button (**D**) after ACC has been cancelled, for example, after braking, the ACC will become active again provided that the set speed memory has not been erased. The set speed will be displayed for four seconds and the original set speed will be resumed, unless a vehicle ahead causes the follow mode to become active.

Caution: 'RESUME' should only be used if the driver is aware of the set speed and intends to return to it.



Forward alert (where fitted)

Limited detection and warning of objects ahead is provided during ACC operation by the ACC 'DRIVER INTERVENE' warning.

The forward alert feature additionally provides these warnings while ACC is not engaged; if an object is detected close ahead, then the warning message and tone will be issued. The brakes will not be applied.

This additional feature may be switched on or off using the forward alert switch in the lower outboard knee bolster switchpack.

When the indicator lamp in the switch is on, forward alert is active.

The sensitivity of the warning may be changed:

- Pressing the gap decrease button (**C**) when ACC is disengaged displays and then decreases the sensitivity of the alert.
- Pressing the gap increase button displays and then increases the sensitivity of the alert.

Both of these are accompanied by the FWD ALERT ← — → message on the message centre.

ACC failure

If a fault occurs during operation of the system in cruise or follow modes, the ACC system will switch OFF and cannot be used until the fault is cleared. A red warning light and the message 'DRIVER INTERVENE' appear briefly, and are then replaced by an amber warning light and the message 'CRUISE NOT AVAILABLE'.

If failure of the ACC or any related system occurs at any other time an amber warning light will be displayed accompanied by the message 'CRUISE NOT AVAILABLE'. It will not be possible to activate the ACC system in any mode.

Accumulations of dirt, snow or ice on the sensor or cover may inhibit ACC operation. Fitting of a vehicle front protector or metallised badges may also affect ACC operation.

If this occurs in ACC cruise/follow mode, the red warning light is displayed, the audible alarm sounds and the message 'DRIVER INTERVENE' appears briefly. These warnings are then replaced by the amber warning light and the message 'ACC SENSOR BLOCKED' is displayed. The system is no longer active.

Clearing the obstruction allows the system to return to normal operation. If the obstruction is present when ACC is inactive, e.g. on initial starting or with the ACC system switched off, the amber warning light will be displayed with the message 'ACC SENSOR BLOCKED'.

Tyres other than those recommended may have different sizes. This can affect the correct operation of the ACC.

Notes on using adaptive cruise control:

1. Adaptive cruise control operates when the gear selector lever is in position '2', '3' '4' '5' or 'D'.
2. When engaged, the accelerator pedal rests in the raised position. Fully release the pedal to allow normal ACC operation.
3. When braking is applied by the ACC the brake pedal will move down and up as braking is applied or removed. The vehicle brake lights will be switched on while braking is applied.

WARNING:
The driver must not rest a foot under the brake pedal, as it may become trapped.

Driving with ACC active

The system acts by regulating the speed of the vehicle using engine control and the brakes. Gear changes may occur in response to deceleration or acceleration whilst in ACC.

ACC is not a collision avoidance system, however, during some situations the system may provide the driver with an indication that intervention is required.

An audible alarm will sound, accompanied by a red warning light and the message 'DRIVER INTERVENE' if the ACC detects:

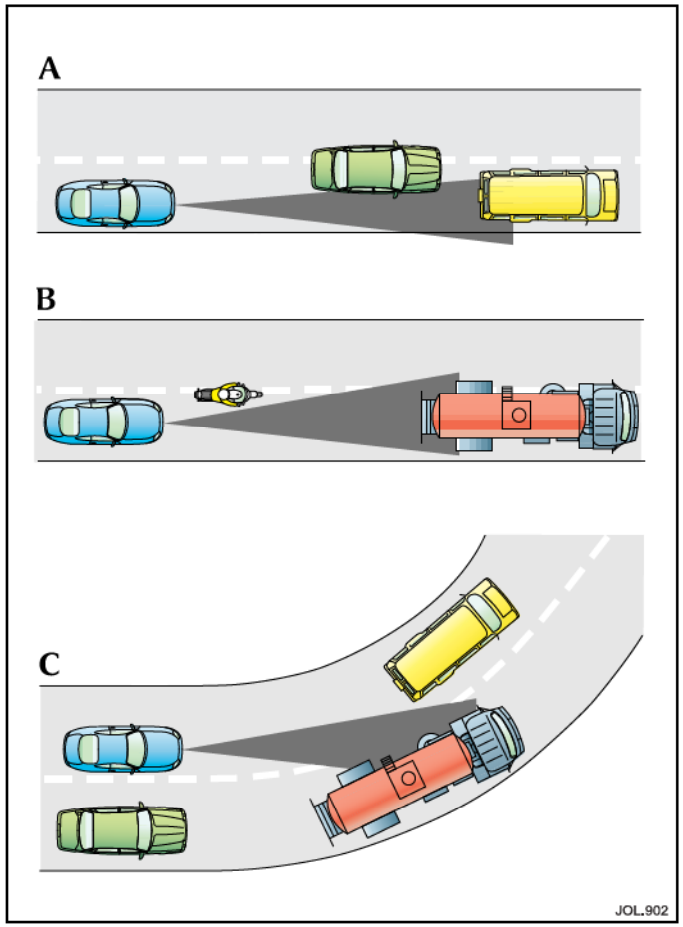
- That using maximum ACC braking only is not sufficient.
- That the vehicle speed has decreased below the minimum for ACC operation.
- A failure has occurred whilst the system is active.

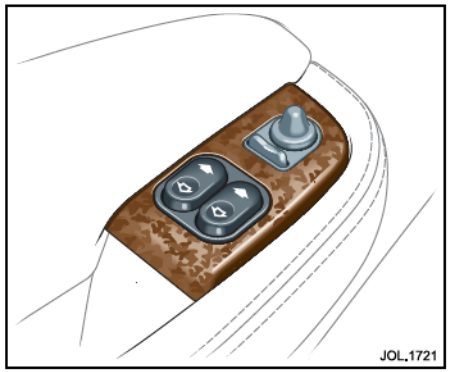
Detection issues can occur:

- When driving on a different line to the vehicle in front (**A**).
- With vehicles which edge into your lane which can only be detected once they have moved fully into your lane (**B**).

There may be issues with the detection of vehicles in front when going into and coming out of a bend (**C**).

In these cases ACC may brake late or unexpectedly. The driver should stay alert and intervene if necessary.





Window operation

Two switches on the driver's door switchpack control the driver and passenger door windows. The passenger is provided with a switch to control the passenger door window only.

These switches only operate:

1. When the ignition switch is in position 'I' or 'II', or
2. After the ignition has been switched OFF, until a door has been opened.

WARNING:

1. **When raising windows ensure all occupants are clear.**
2. **When leaving the vehicle take the ignition keys to prevent misuse of the window switches by remaining occupants, especially children.**
3. **Obstruction detection is not available.**

Operation

To open: Press and hold the lower part of the switch. Release the switch to stop movement.

To close: Press and hold the upper part of the switch. Release the switch to stop movement.

Note: If the switches are held for longer than 8 seconds, e.g. when attempting to overcome frozen or jammed windows, the window drive will be switched off for a few seconds to protect the window drive motors.

One-touch open operation

Briefly press and release the lower part of the driver's window switch – the window will fully open. Window travel can be stopped by pressing the switch again.

Automatic window drop for door opening

WARNING:

The door windows lower partially when the door is opened and raise when it is closed. Do not attempt to close the door by holding on to or pushing against the top of the glass.

The frameless door windows create a seal against the convertible top or the roof seals. If fully raised, the door windows will drop partially when the door release lever is operated; this is to allow easy door opening. When the door is closed the windows rise to the fully closed position.

The doors must not be opened if power for 'automatic window drop' is not available, e.g. with battery disconnected. However, in an emergency the doors can be opened with the windows fully up.

Re-programming door windows after power disconnection

After battery disconnection or fuse removal, the system must 're-learn' the limits of window travel. This is to ensure correct operation of the automatic window drop facilities.

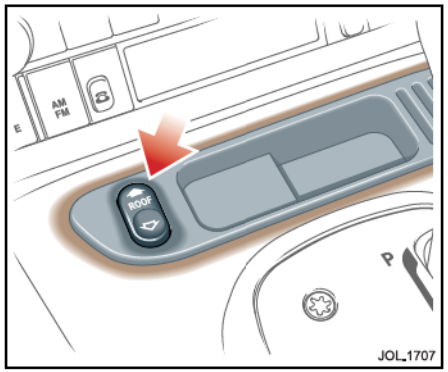
Re-programming is done with the doors closed and the ignition switch in position 'I' or 'II', as follows:

1. Press and hold the lower part of the switch. When the window is fully lowered, continue to hold the switch for 5 seconds.
2. Press and hold the upper part of the switch. When the window is fully raised continue to hold the switch for 5 seconds.

Carry out this procedure for driver and passenger door windows.

Rear quarter window operation
(Convertibles only)

The rear quarter windows operate automatically in conjunction with convertible top opening or closing.



The rear quarter windows may also be operated independently of the convertible top when the convertible top is closed, by means of the ROOF switch on the centre console, as described below.

To lower: Briefly press the rear of the switch. The rear quarter windows will be driven down fully.

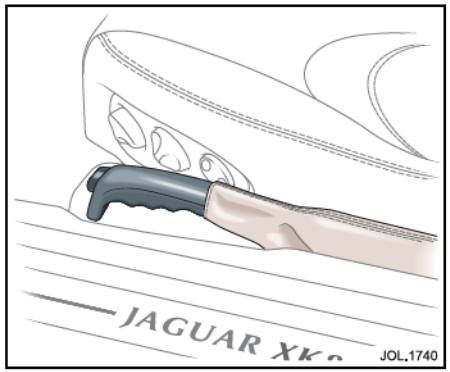
To raise: Press the front of the switch. The rear quarter windows will rise for as long as the switch is held.

Caution: Do not close the door with the windows fully up as damage to the seals and the glass will occur.

Notes on rear quarter window operation:

1. When the convertible top is opened the rear quarter windows are automatically lowered and cannot be operated until the top is closed. When the top is closed the rear quarter windows are automatically raised.
2. The rear quarter windows operate together and cannot be operated individually.

Holding the ROOF switch after the warning sounds will cause unwanted convertible top operation.



Parkbrake

The parkbrake lever is mounted on the outboard side of the driver's seat and mechanically operates the rear parking brakes.

The parking brakes are independent of the main brake system.

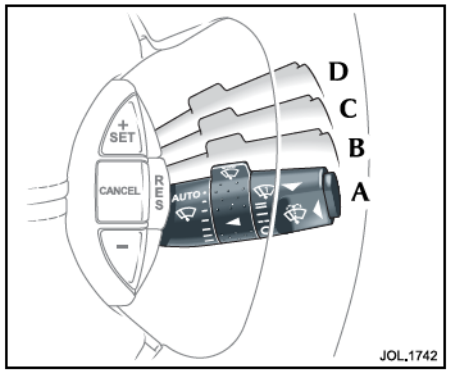
To apply: Lift the lever firmly.
The parkbrake should be fully ON after three or four clicks. The lever may then be returned to the lower (OFF) position with the brake still engaged. This allows the driver easy access to and from the vehicle. The **Parkbrake on** warnings will be activated (see below).

To release: Lift the lever fully, press the locking button at the end of the lever, and lower to the OFF position. If the parkbrake lever is not fully OFF, the **Parkbrake on** warnings will stay on (see below).

Parkbrake on warnings

The parkbrake warning/brake fluid low warning light will illuminate and a text message will be displayed.

Message: **Parkbrake On**
Priority Indicator: **Red**



Windscreen wipers and washers

The windscreen wipers and screen wash functions controlled by the right-hand column switch, only operate with the ignition in position 'II'.

The functions are as follows:

Position '0' (**A**):	The windscreen wiper blades are OFF and parked.
First position (**B**):	Intermittent wipe.
Second position (**C**):	Normal wiper operation.
Third position (**D**):	High speed wiper operation.

Intermittent wipe

When intermittent wipe is selected, first position (**B**), the rotary collar can be adjusted to vary the delay between wipes. Six collar positions (five with rain sensitive wipers fitted) vary the delay from 2 seconds to 20 seconds. Turn the collar anti-clockwise to increase the delay time.

If flick wipe or wash/wipe is selected between intermittent wipes, the intermittent mode will be interrupted temporarily.

Rain sensitive wiper operation

With the rotary collar set to AUTO and intermittent wipe, position (**B**), selected, the wipers will automatically operate when rain or moisture is detected on the windscreen. The wipers will stop automatically when the rain has ceased and moisture is no longer detected. Ensure that the rain/moisture sensor, which is located behind the dark vertical band at the top centre of the windscreen, is not obscured.

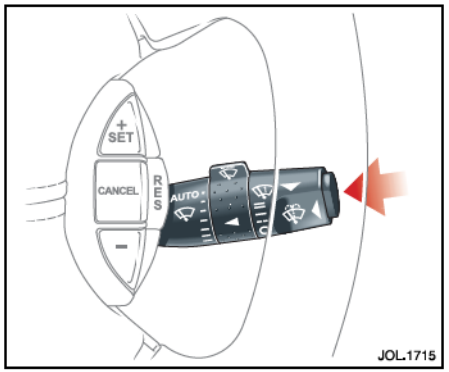
Note: When starting a journey with a wet windscreen, the rain sensing wipers will not operate immediately the ignition is switched on, therefore, a flick wipe should be used to clear the screen of any moisture.

Caution: Ensure that AUTO is not selected when entering a car wash or damage to the wiper blades/arms can occur.

Flick wipe

Pull the column switch towards the steering wheel for a single slow speed wipe. Holding the column switch in this position will operate the wiper continually at slow speed until released.

Note: If the windscreen wipers are switched on in AUTO, slow or fast modes, for more than 20 seconds, then the exterior lights will be switched on, if selected to autolamps mode. The lights will switch off 2 minutes after the wipers are switched off or will go off straight away if autolamps is deselected or the ignition is switched off.



Windscreen wash operation

Push the button on the end of the column switch to obtain the wash/wipe programme. A short press will operate the washers briefly and the wipers will complete three wipes. If the button is held, the washers and wipers will operate continuously for up to 20 seconds. When released, the wipers will complete three wipes after the washers have stopped. The drip wipe function will perform a single wipe 4 seconds after the wash/wipe sequence has finished.

When the washer fluid is low, a message is displayed, and the programmed wash/wipe function is disabled. Manual operation is still available.

Message: **Washer Fluid Low**
Priority Indicator: **Amber**

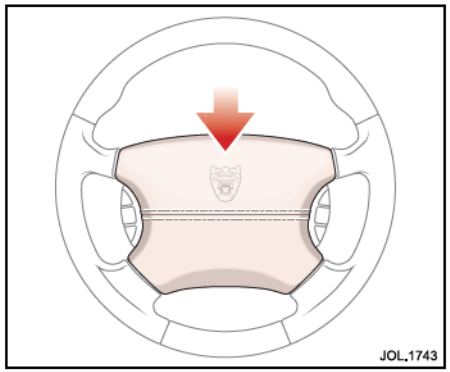
Headlamp powerwash

Note: The telescopic headlamp powerwash units are contained within the headlamp cluster. When operated, the units extend under water pressure, spray the headlamps and then retract automatically into the headlamp.

The headlamp powerwash feature will operate if the ignition is in position 'II' and the lighting switch is in the dipped or main beam position (**C**). It will not operate if the washer fluid level is low (indicated by the message centre).

When the wash/wipe button is pressed, the headlamp powerwash directs two short bursts, approximately 6 seconds apart, at the headlamp cluster. If the wash/wipe button is held, the powerwash cycle will continue for up to 20 seconds.

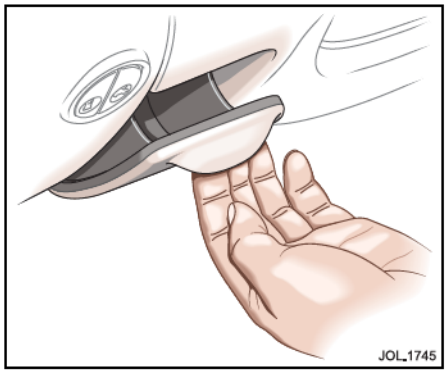
The headlamp powerwash will operate the first time the wash/wipe button is pressed and thereafter every sixth succeeding wash/wipe operation. If the sidelights or ignition are switched OFF and ON again, headlamp powerwash will operate on the next press of the wash/wipe button.



Horns

Twin warning horns are operated by pressing the centre pad on the steering wheel.

The horns will not operate when the ignition switch is in position '0' and the driver's door is open.

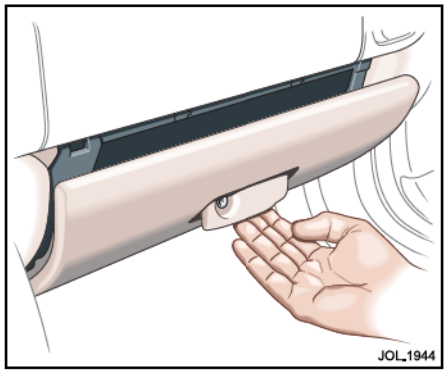


Interior features

Sunglasses stowage compartment

Stowage for the driver's sunglasses is provided in the driver's knee bolster.

To open: Pull down using the finger recess.



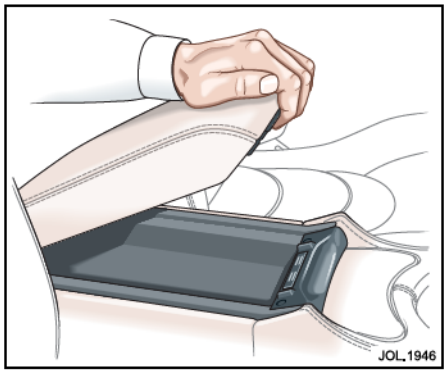
Glove compartment

A glove compartment is situated below the passenger's airbag. This compartment may be locked using the black-headed key only.

To open: Lift the handle and allow the lid to drop down. The compartment will be illuminated when open.

Note: The compartment will be illuminated for up to 15 minutes after the ignition has been switched to position '0'.

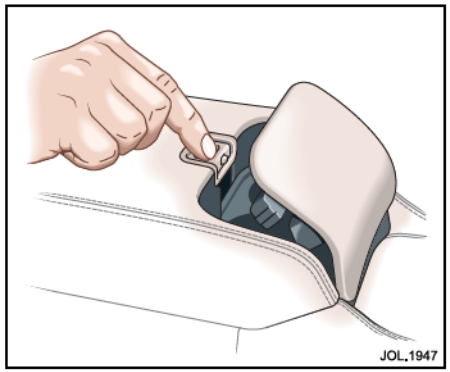
Stowage is provided for: The Driver's Handbook Literature Pack, pen holder and a rechargeable torch (available as an accessory).



Centre console armrest

The armrest is hinged at the rear to provide access to a storage compartment, and incorporates a cupholder which is described below.

On vehicles fitted with the optional telephone, the storage compartment is fully occupied by the handset and vehicle interface.



Cupholder

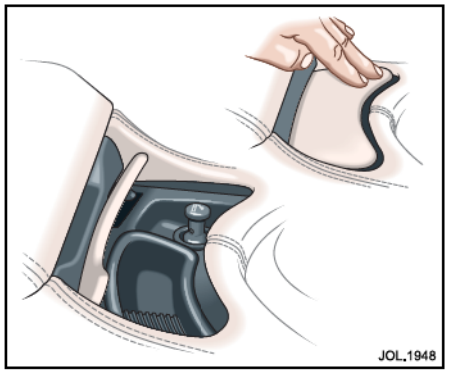
A cupholder for two cups is provided in the centre console armrest.

WARNING:

1. **Do not place hot drinks in the cupholders whilst the vehicle is moving, there is a risk of scalding.**
2. **Use soft cups only.**

To operate: Push the button on the armrest rearwards. After use, lower the cupholder flap and press down to engage the latch.

Do not open the storage compartment while the cupholder is being used.



Ashtray and cigar lighter

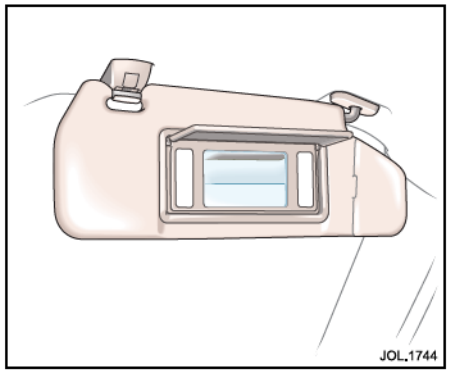
The ashtray and cigar lighter are situated in front of the cupholder.

To open: Press the front edge of the lid which will open to reveal the cigar lighter and removable tray.

To operate the cigar lighter: With the ignition in position 'I' press down and wait until the element has heated, it will then 'pop-up'.

Note: Never hold the lighter knob down. Do not attempt to remove particles from the element, as it is self cleaning.

To empty the tray: Lift out vertically and remove.



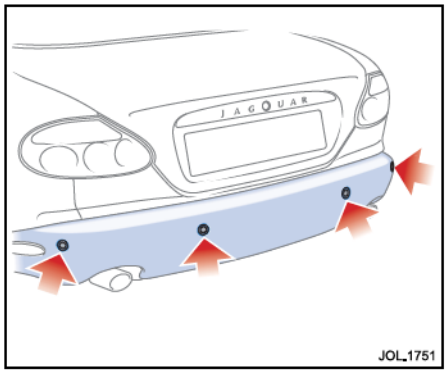
Sun visors and vanity mirrors

Adjustable sun visors can be swung downwards or unclipped and swung sideways to eliminate sun glare.

The rear of each sun visor is fitted with an illuminated vanity mirror, behind a hinged flap. The light comes ON when the flap is lifted.

Note: Vanity mirror illumination will only work when the sun visors are held in place by the stowage clips.

When positioned to the side, the sun visors can be moved forwards or rearwards on a telescopic arm, if required.



Reverse park control

Caution: It remains the driver's responsibility to detect obstacles and estimate the car's distance from them. Some overhanging objects, barriers, thin obstructions or painted surfaces which could possibly cause damage to the vehicle may not be detected by the system. Always be vigilant when reversing.

This parking aid, when reverse gear is selected and ignition on, automatically provides an audible proximity warning when reversing the vehicle. If an object is detected, a beep tone will be heard, which increases in rate as the vehicle approaches the object.

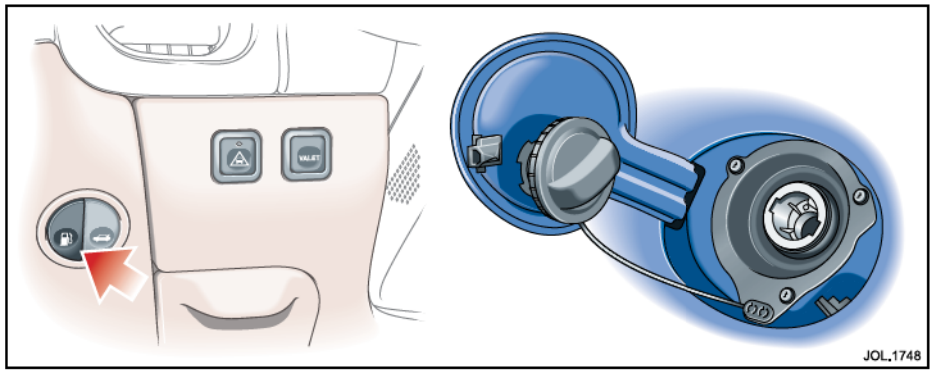
At approximately 8 inches (200 mm) the beep will become continuous for three seconds and is then automatically turned off.

Reverse park control is automatically switched off if a trailer is attached to the vehicle.

If the system has a fault when engaging reverse gear then a single, three second tone only will be heard.

Note:

1. For reliable operation, the four sensors in the rear bumper should be kept free from ice and grime.
2. When using a high pressure spray the sensors should only be sprayed briefly and not from a distance of less than 8 inches (200 mm).



Fuel and refuelling

Before refuelling, switch off the ignition and remove the key.

Note: Do not leave the ignition key in the vehicle; vehicles have been stolen from garage service/filling stations whilst the driver is absent from the vehicle. It is recommended that the vehicle is locked, if left unattended.

Caution: **No additives of any kind (fuel or oil) must be put into the fuel tank. Additives could reduce engine life or affect exhaust emissions.**

⚠ **WARNING:**

1. **Fuel vapour is highly flammable and in confined spaces is explosive and toxic. In the event of inadvertent spillage, and before refuelling, always switch OFF the engine. Do not use exposed flame or light. Do not smoke. Do not inhale fumes.**
2. **Do not fill the tank so that fuel is visible in the fuel filler intake tube. This could cause spillage and danger from exposed fuel.**

Fuel tank filling

Caution: **Your vehicle is fitted with catalytic converters and must only be filled with 'Unleaded Fuel'.**

The fuel filler flap release switch is located in the knee bolster switchpack below the fascia. The filler flap is on the left-hand side of the vehicle.

The switch will not operate with the engine running.

Turn the filler cap anti-clockwise and remove the cap from the filler neck. The cap is held by a retaining strap and can be stowed against the magnetic plate on the inside edge of the filler flap to allow easy access to fill the tank.

A warning label on the inside of the fuel filler flap advises type/grade of fuel.

When filling, the dispenser nozzle must be inserted into the filler neck sufficiently to open the trap door for fuel to flow into the fuel tank. Fill the tank until the filler nozzle automatically shuts off. Filling beyond this point could result in fuel spillage.

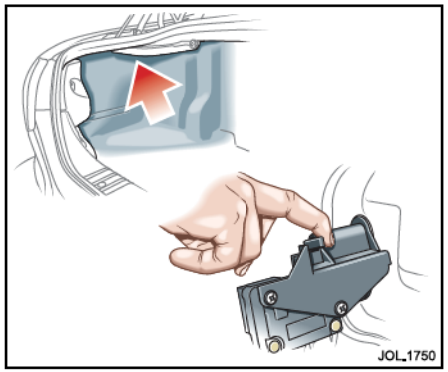
After refuelling, refit the filler cap in the filler neck, twist the filler cap clockwise a 1/3 turn to stop position and close the flap, which automatically locks shut.

The continuous use of high quality fuel makes the need for additional additives unnecessary. This will help to protect the engine components against corrosion, carbon deposit formation and prevent the fuel injection system from clogging.

If in doubt your local Jaguar Dealer will advise on which fuel must be used in your vehicle.

Emission control components

Owing to the legislative requirements or options available in some countries, a Jaguar Dealer should be consulted where any doubt exists as to the precise emission control system specification of this vehicle.



Fuel filler flap emergency release

In the event of a power failure the flap can be released as follows:

1. Remove the luggage compartment lining at the rear on the left-hand side below the filler.
2. Reach up and locate the fuel filler flap mechanism. The lock plunger has an 'L' shaped bracket at one end. Pull back the plunger to release the filler lock.

After refuelling, refit the filler cap in the filler neck, twist the filler cap clockwise a 1/3 turn to stop position and close the flap, which automatically locks shut.

Fuel capacity

Avoid the risk of running out of fuel and never intentionally drive the car when the fuel gauge indicates that the tank is empty. When refuelling your vehicle after the fuel gauge reads empty, you may not be able to add the fuel quantity, shown below, to the tank as there will be a small reserve quantity remaining in the tank.

Total tank capacity	19.8 US Galls 75 litres
Fill capacity	18.5 US Galls 70 litres
Reserve capacity	1.3 US Galls 5.0 litres

Fuel economy

The following tips not only lead to greater fuel economy but also reduce air pollution causing less environmental damage:

- Try to avoid using the car for short journeys – this will lead to greater fuel economy and reduce wear on the engine.
- Plan ahead – choose uncongested routes, combine car trips and share cars where possible.
- Drive off as soon as possible after starting a cold engine – do not leave the engine idling until it has warmed up.
- Drive smoothly and efficiently – harsh acceleration and heavy braking have a significant effect on fuel consumption – driving more smoothly saves fuel.
- Slow down – driving at high speeds significantly increases fuel consumption.
- Switch off – sitting stationary is zero miles per gallon, switch off the engine when it is safe to do so.
- Unnecessary weight – do not carry unnecessary weight and remove roof racks when not in use.
- Regular servicing keeps the engine at best efficiency.
- Ensure that tyres are inflated to the correct pressure for the journey.
- Use air conditioning and all vehicle electrical devices sparingly – all increase fuel consumption.

Check your fuel consumption – it will help you get the most from your car and any significant change in consumption may indicate a vehicle fault.

Fuel requirements

The filler neck of the fuel tank is a small diameter (except Japan) to suit the unleaded fuel pump nozzle and will prevent the larger diameter leaded fuel nozzle from entering the filler neck.

Unleaded fuel

All vehicles are fitted with a catalytic system and can only use unleaded fuel.

Unleaded fuel must be used for the emission control system to operate properly.

Its use will also reduce spark plug fouling, exhaust system corrosion and engine oil deterioration.

Use only Premium unleaded gasoline with a minimum anti-knock index (AKI) of 91.

Using unleaded fuel with a lower AKI than recommended can cause persistent, heavy ‘spark knock’ (a metallic rapping noise). If severe, this can lead to engine damage.

If a heavy ‘spark knock’ is detected even when using fuel of the recommended octane rating, or if you hear steady ‘spark knock’ while holding a steady speed on level roads consult a Jaguar Dealer.

Failure to do so is misuse of the vehicle, for which Jaguar Cars Limited, is not responsible. However, occasional light ‘spark knock’ for a short time while accelerating or driving up hill, may occur.

Fuels containing alcohol

Caution: Take care not to spill fuel during refuelling. Fuel containing alcohol can cause paint damage, which may not be covered under the warranty.

Some fuel suppliers sell fuel containing alcohol without advertising its presence. Where uncertainty exists check with the service station operator.

Note: Some difficulty in starting may be encountered when using alcohol blended fuel.

Ethanol

Fuels containing up to 10 per cent ethanol (grain alcohol) may be used. Ensure the fuel has octane ratings no lower than those recommended for unleaded fuel. Most drivers will not notice any operating difference with fuel containing ethanol. If a difference is detected, the use of conventional unleaded fuel should be resumed.

Methanol

Some fuels contain methanol (methyl or wood alcohol). If you use fuels containing methanol the fuels must also contain co-solvents and corrosion inhibitors for methanol.

Also, do not use fuels that contain more than three per cent methanol even if they contain co-solvents and corrosion inhibitors. Fuel system damage or vehicle performance problems resulting from the use of such fuels is not the responsibility of Jaguar Cars Limited, and may not be covered under the warranty.

Methyl Tertiary Butyl Ether (MTBE)

Unleaded fuel containing an oxygenate known as MTBE can be used provided the ratio of MTBE to conventional fuel does not exceed 15 per cent.

MTBE is an ether based compound, derived from petroleum, which has been specified by several refiners as the substance to enhance the octane rating of fuel.

Reformulated gasoline

Several petroleum companies have announced the availability of reformulated fuels. These fuels are specially designed to further reduce vehicle emissions.

Jaguar fully supports all efforts to protect and maintain ambient air quality and encourage the of reformulated gasoline, where available.

Catalytic converters

A few precautions on the use of vehicles fitted with catalytic converters are necessary. These are:

1. In order to maintain the efficiency of the emission control system it is essential that unleaded fuel is used. Use of leaded fuel will seriously damage the catalytic converters.
2. Heavy impact on the converter casings must be avoided.
3. The engine settings must not be altered; they have been established to ensure that the vehicle will comply with stringent exhaust emission regulations. Incorrect engine settings could cause unusually high catalytic converter temperatures and thus result in damage to the converter and vehicle.
   If adjustment to the settings is considered necessary, this should be performed by a Jaguar Dealer.
4. A correctly tuned engine optimises exhaust emissions, performance and fuel economy and it is recommended that the vehicle is regularly maintained.
5. Do not continue to operate the vehicle if any engine malfunction is evident; malfunctions should be rectified immediately. For instance, misfire, loss of engine performance, excessive oil consumption or engine run-on may lead to unusually high catalytic converter temperatures and may result in damage to the converters and vehicle.
6. The use of catalytic converters increases exhaust system temperatures, therefore, do not operate or park the vehicle in areas where combustible materials such as dry grass or leaves may come into contact with the exhaust system.
7. Do not run the engine with either a spark plug lead disconnected or a spark plug removed as this could result in catalytic converter damage.
8. The vehicle is designed for normal road use. Below are examples of abuse which could damage the catalytic converters and vehicle. These may lead to a dangerous condition due to excessively high catalytic converter temperatures:
   - Competition or off-road use.
   - Excessive engine speed.
   - Overloading the vehicle.
   - Switching off the engine whilst in gear.

General driving information

WARNING:

Ensure the parkbrake is on and the automatic gear selector is in position 'P' or 'N' before attempting to start the engine.

Before driving off, check the gauges and warning lights and messages. Take special note of any warning light that is on.

Seat belts are provided for your safety and it is unwise, and in certain countries illegal, to commence any journey, however short, without wearing them.

Warming up

Do not operate the engine at high speed when first started but allow time for the engine to warm up and the oil to circulate.

Engine braking on downhill gradients

When driving on mountain roads with long downhill gradients it is advisable to select a low gear.

Running-in

Apart from a few precautionary recommendations, there are no strict 'running-in' procedures for this vehicle.

By observing the following advisory notes you will ensure maximum engine, transmission and brake life for your vehicle:

1. Allow the engine to warm up thoroughly before operating at engine speeds over 3500 rev/min.
2. Vary the speed frequently.
3. From 940 miles (1500 kilometres) onwards, gradually increase performance of the vehicle up to the permitted maximum speed, where road conditions permit.

Running-in for brakes

To ensure that the brake pads can 'bed-in' evenly and reach their optimum wear and performance condition, usually within 300 miles (480 kilometres), the following points are recommended:

1. Where possible, avoid heavy braking or rough usage of the brakes as this can result in damage being caused to the brake pads and discs.
2. Avoid prolonged use of the brakes, for example, when descending severe gradients.
3. Frequent light application of the brakes is desirable. This helps to fully 'bed-in' the brake pads before the normal running-in period is completed and the vehicle is operated at high speeds, when maximum brake efficiency will be required.

The above equally applies when new discs or pads have been fitted.

Engine oil consumption

A certain amount of oil consumption is normal. The rate of consumption will depend on the following:

- The quality and viscosity of the oil.
- The amount of oxidation and dilution of the oil.
- Climatic conditions.
- The speed at which the engine is being operated.
- Road conditions.

Drivers should expect above normal consumption when the engine is new, and after running-in if high speeds are sustained.

Winter driving

Freeing a frozen door lock

Caution: Do not apply a proprietary lock de-icer through the keyhole.

Should the lock become frozen, warm the end of the key before use.

Windscreen wiper blades

Before driving away, clear any ice from the windscreen and check that the wiper blades are free. Switching on the heated screen will accelerate this process.

Frost precautions

The correct concentration of coolant must be maintained at all times when 'replenishing' or 'refilling' the cooling system.

Touring

Foreign travel

Before planning foreign travel, check with a motoring organisation to ensure that your vehicle will comply with legal requirements of the countries you intend to visit.

International motoring organisations are helpful for all aspects of long distance touring advice.

In some countries it is a legal requirement to carry spare vehicle bulbs.

First aid kit

A first aid kit is compulsory equipment in certain countries. Your Jaguar Dealer can supply a first aid kit.

Petroleum spirit in containers

Some countries forbid the carrying of petrol in containers, as do most ferry and hovercraft operators.

Cellular radio telephones

Ask your motoring organisation about the use of cellular radio telephones before travelling abroad, as some countries exercise controls on the importation and use of such equipment.

Trunk-rack

Only the Jaguar approved trunk-rack should be used.

The maximum load, including the weight of the rack, must not exceed the load rating indicated on the trunk-rack bars and **must** be deducted from the vehicle maximum luggage load.

Loads on the trunk-rack may affect vehicle handling, especially in crosswinds or when cornering.

Jaguar warning triangle

A warning triangle, designed to international standards, to give traffic advanced notice of a disabled vehicle is compulsory in many countries.

Hazard warning lights must be used with the warning triangle.

The warning triangle with its stand legs folded flat (if fitted), is mounted on the inside of the luggage compartment lid.

In an emergency, remove the triangle and unfold its stand legs. Place the triangle in the road in accordance with local traffic regulations to give oncoming traffic warning of an immobilised vehicle.

JAGUAR

Introduction

The cabin is supplied with filtered air from a fully automatic electronic climate control system which also provides individual selection of temperature (dual zone) by the front occupants. The system can be overriden by manual controls.

The climate control panel is located in the centre console above the radio and audio controls.

Recommended operation

Automatic climate control

Automatic climate control provides efficient regulation of the vehicle environment without constant adjustments from the occupant.

Sensors inside the vehicle monitor temperature, humidity and direct sunlight. In response, the electronic control system automatically adjusts the heat input, blower speed, air intake and air flow distribution so as to maintain the selected temperature(s) and reduce misting.

Automatic operation provides optimum comfort under most driving conditions.

It is recommended that automatic control (AUTO) is selected as the normal operating mode.

Use of air conditioning

Air conditioning is an integral part of the climate control system, providing cooled and dehumidified air for occupant comfort; the dry airflow is also effective in preventing misting of the windows.

While the air conditioner can be manually switched off, it is recommended that it is used in all climatic conditions throughout the year, preferably in AUTO mode.

Close all windows and the sunroof when the air conditioning is on to ensure satisfactory operation.

Use of air recirculation

The air conditioner/heater system is supplied with fresh air via an intake flap.

Closing the flap causes the air inside the vehicle to be recirculated. This helps to prevent unpleasant odours from being drawn into the vehicle and also to improve the performance of the air conditioner in very hot conditions. However, the use of recirculated air will cause screen misting after a short period and should only be used as necessary.

In AUTO mode, the air intake flap is controlled automatically. If required, air recirculation may be manually selected for either a short or indefinite period.

WARNING:

To prevent humidity build up inside the vehicle and possible screen misting, avoid driving with the air conditioning system off or in manual air recirculation for prolonged periods.

General points

To ensure the satisfactory operation of the climate control system, note the following points:

- Ensure that the external grille at the base of the windscreen, which provides fresh air for the climate control system, is kept clear of leaves, snow or obstructions.
- A solar sensor is mounted on the centre top of the fascia, as shown opposite (**A**). Ensure that this sensor is not covered.
- Temperature and humidity sensors are located behind the small grille (**B**). Do not cover or obstruct the opening.
- Air ducts under the front seats supply the rear passenger footwells (see illustration opposite). Objects or material placed under the seats may block or obstruct the open ducts.
- The external air intake to the air conditioner/heater system is fitted with a filter. Ensure that the filter is changed at the specified service intervals to maintain efficient operation.
- If the air conditioning system is not used frequently, it should be run briefly at least once each week, with a cold setting, to prevent the seals from drying out with subsequent refrigerant leaks.
- Moisture removed from the air by the air conditioning unit is discharged onto the road underneath the vehicle. After stopping, puddles of water may form underneath the vehicle.

Air distribution

The illustration opposite shows the location of the air vents within the vehicle. The airflow from the fascia face level vents is regulated using thumbwheel controls and adjustable direction vanes.

Air distribution between the windscreen, fascia and floor levels is selected automatically when operating in AUTO mode but can be selected manually.

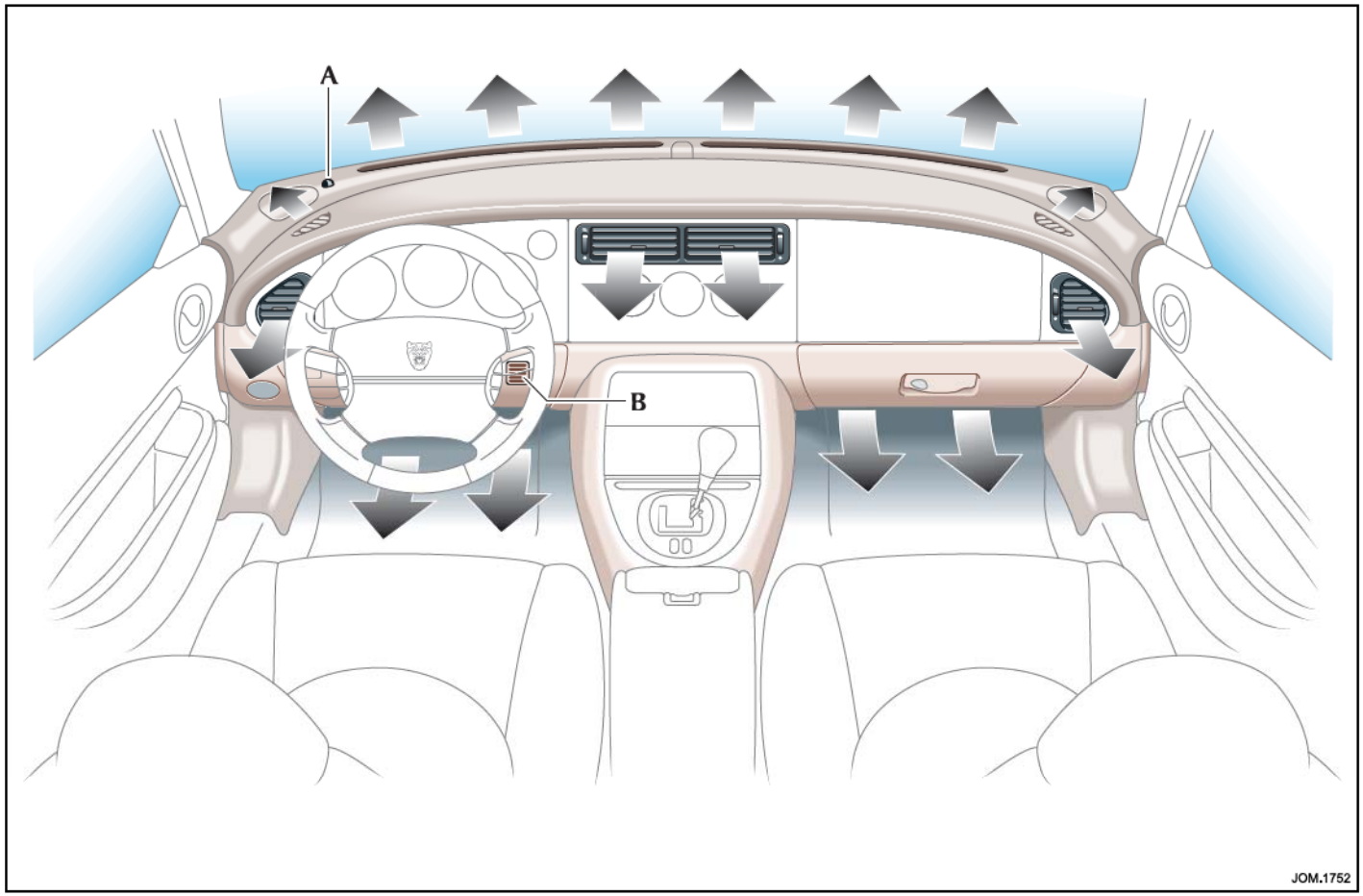
Item (**A**) shows the solar sensor.

System fault display

The climate control system is equipped with self diagnostics.

If a fault is detected, the symbol '**Er**' will appear in the display accompanied by a series of beeps for 5 seconds. In this unlikely event the vehicle should be returned to the Jaguar Dealer at the earliest convenience.

'**Er**' will be displayed on each subsequent vehicle start until the fault is rectified.


A
B
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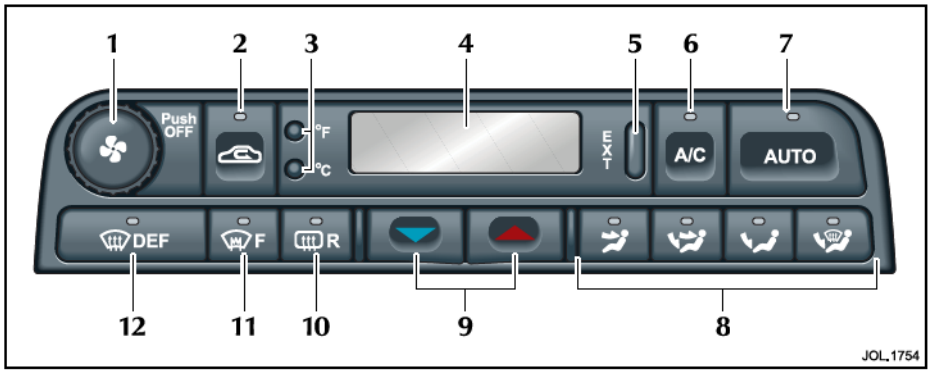


Climate control system

The climate control system fitted to this vehicle offers automatic control of temperature, blower speed and air distribution to maintain optimum comfort under most driving conditions.

Manual controls are provided to allow the driver to override the automatic operation.

Control panel

1. a) Push to switch ON or OFF.
   b) Rotate for manual blower speed selection.
2. Manual recirculation/outside air.
3. Fahrenheit/Celsius selection buttons.
4. Display panel.
5. External temperature.
6. Air conditioning.
7. Automatic operation.
8. Manual distribution (from left to right):
   - Face only.
   - Bi-level (Face and feet).
   - Feet only.
   - Demist (Screen and feet).
9. Temperature selection:
   Blue – Decrease.
   Red – Increase.
10. Heated rear screen.
11. Heated front screen (Canada only).
12. Defrost.

System operation and button functions

Switching the system on

The system can be switched on by pressing one of the following:

1. '**AUTO**' button – Switches the system on in automatic mode.
2. '**DEF**' button – Switches the system on in defrost mode.
3. '**A/C**' button – Switches the system on in the last setting and with the refrigeration system working.
4. '**Push Off**' knob – Switches the system on in the last setting.

Automatic operation

Note: The blowers will not operate until the engine is warm (except in defrost).

Press '**AUTO**' for optimum automatic control under most operating conditions. The word 'AUTO' will appear in the display panel and the temperature, blower speed and distribution will be controlled automatically.

Air conditioning

Press to switch off the refrigeration system. Press again to switch on. The refrigeration system is automatically engaged when '**AUTO**' is selected.

All the year use of air conditioning is recommended for optimum comfort and to reduce interior misting.

Temperature selection

The selected interior temperature is shown in the display panel. Press the 'red' button to increase the temperature. Press the 'blue' button to decrease the temperature.

Automatic temperature control operates between 61°F and 89°F (17°C to 31°C). In addition, 'HI' and 'LO' settings provide maximum heating or cooling at maximum blower speed. Blower speed can be manually reduced as required.

Defrost

Press '**DEF**' to direct air to the front and side screens at maximum blower speed. This also switches on the heated front screen (if fitted). Blower speed can be manually reduced as required. Press '**DEF**' again to return to the last setting or '**AUTO**' for automatic control.

WARNING:
Directing cold air onto the screen in warm humid conditions can produce external condensation.

Manual air recirculation

Closes the outside air intakes and re circulates air within the vehicle. Prevents unpleasant odours being drawn into the vehicle.

Two options of control are available:

1. Press the button to provide recirculation of interior air for approximately 5 minutes.
2. Press and hold the button until two 'beeps' are heard for continuous recirculation of interior air. Press the button again to switch off.

WARNING:
Avoid using Manual Air Recirculation for prolonged periods in cold weather as this may result in interior misting of screens.

Heated front screen (Canada only)

With the engine running, press to switch on the heated front screen for rapid defrost/demist. It is automatically engaged when **'DEF'** is selected but can be independently switched on or off at any time. Automatically switches off after approximately 6 minutes.

Heated rear screen

With the engine running, press to switch on the heated rear screen and heated door mirrors for rapid defrost/demist. It can be independently switched on or off at any time. Automatically switches off after approximately 20 minutes.

Fahrenheit/Celsius selection

Press '**°F**' to display temperature in Fahrenheit.

Press '**°C**' to display in Celsius.

Manual blower speed

Note: In 'AUTO' the blowers will not operate until the engine is warm.

Turn the rotary knob clockwise to increase or anti-clockwise to decrease air flow. Blower speed is displayed as a series of bars, and the word 'AUTO' will disappear.

Press '**AUTO**' to resume automatic control.

External temperature

Two options are available for displaying the external temperature:

1. Press the button to provide a display for approximately 4 seconds.
2. Press and hold the button until two 'beeps' are heard to provide a continuous display of external temperature. Press the button again to switch off.

Switching off/ventilation airflow

Press the 'Off' knob to switch off the climate control system and prevent outside air from entering the vehicle.

If ventilation is required with the system off, press the desired manual air distribution button. This will provide unconditioned air only when the vehicle is moving.

Heated screen and external temperature display functions can be selected when the system is off.

Manual air distribution

The following options are available:


Face only.


Bi-level (Face and feet).


Feet only.


Demist (Screen and feet).

WARNING:

Directing cold air onto the screen in warm humid conditions can produce external condensation.

Press the required button (the word 'AUTO' will disappear from the display panel).

Press the button again or press '**AUTO**' to resume automatic control.

Operating tips

If the vehicle has been parked in the sun the interior will cool faster if you follow these guidelines:

- Before sitting in the vehicle, leave door(s) open for a short time to allow the hot air to escape.
- Drive for a short time with the windows open to force the hot air out of the vehicle.

All the year use of air conditioning is recommended for optimum comfort and to reduce interior misting.

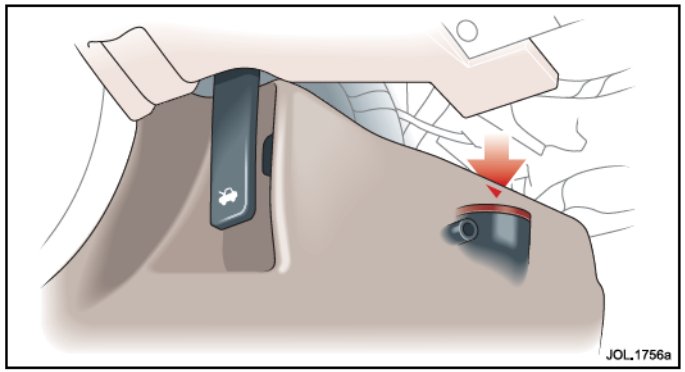
WARNING:

To prevent humidity build up inside the vehicle and possible screen misting, avoid driving with the system off or in manual air recirculation for prolonged periods.

Convertible vehicles

When driving with the convertible top down it is recommended that manual overrides are selected.

JAGUAR



Inertia switch

In the event of an accident, an inertia switch may trip, isolating ignition controlled circuits, including fuel pump operation. Simultaneously, the doors will automatically unlock. Once the switch has tripped it must be reset before attempting to restart the engine.

Note: The doors will not unlock if the inertia switch is tripped when the ignition switch is in position '0'.

The inertia switch is located behind the trim on the left-hand side of the vehicle, forward of the door post below the fascia. The reset button is parallel with the trim panel top edge.

Resetting the switch

WARNING:

To avoid the possibility of fire or personal injury, do not reset the inertia switch if you see or smell fuel.

If no fuel leak is apparent, reset the inertia switch as follows:

1. Turn the ignition switch to position '0'.
2. Press down the rubber reset button on the top of the inertia switch.
3. Turn the ignition switch to position 'II', pause for a few seconds, then return the key to position '0'.
4. Make a further check for fuel leaks.

Emergency starting

Rolling start

A start by pushing or towing cannot be achieved on a vehicle with automatic transmission.

Emergency starting using Jump leads

Both the booster and discharged battery should be treated with great care when using jump leads. Always use high quality leads capable of carrying the starter current of the vehicle to be started.

Before commencing, the following precautions must be taken:

1. When the battery of another vehicle is being used, ensure that the vehicles do not touch, or remove the charged battery and place near to, not on, the vehicle with the discharged battery.
2. Ensure that both vehicles have all electrical services OFF, the parkbrake is ON and the transmission is in Park.

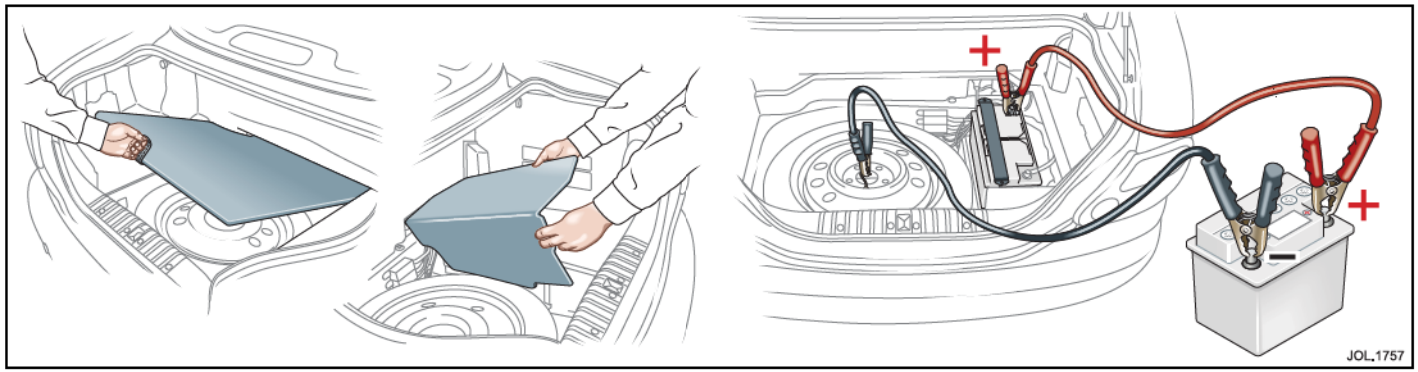
Where the jump leads are of a different colour, e.g. red and black, use red for positive (+). This aids identification and helps to avoid crossing positive (+) to negative (–). Take extra care to avoid crossing the polarity when using cables of the same colour.

Caution:

1. **If using a jump start vehicle, under no circumstances should the vehicles come into contact with each other. This could establish an earth connection, which may cause sparks and damage.**
2. **Do not run the jump start vehicle's engine when boost starting a Jaguar Vehicle. If the jump start vehicle's engine is running and the jump leads are disconnected, damage to the Jaguar vehicle's electrical system will result.**
3. **The booster battery voltage must not exceed 12 volts.**

The following procedure must be followed exactly, being careful not to cause sparks:

1. Apply the parkbrake, select Park and turn off all the vehicle's electrical services.
2. Remove the luggage compartment floor panels.
3. Unclip the positive (+) terminal cover.
4. Attach one end of the red jump lead to the positive (+) terminal of the **booster** battery and the other end to the positive terminal of the discharged battery. **Make sure that a good connection is made. Do not allow the vehicles to touch.**



Emergency starting using Jump leads (continued)

Caution: Do not connect the negative jump lead directly to the negative (–) terminal of the discharged vehicle.

5. Attach one end of the black jump lead to the negative (–) terminal of the **booster** battery and the other end to an earth point on the vehicle being started. (Use the spare wheel retaining bolt as shown.) The earth point must be at least 12 inches (305 mm) from the discharged battery. Make sure that a good connection is made.
6. When started allow the engine to idle for five minutes before disconnecting the cables.
7. Disconnect the black jump lead from the earth point and the booster battery negative (–) terminal. Disconnect the red jump lead from the positive (+) terminals of both batteries.

Note: Disconnection is done in the reverse order to the connecting procedure.

8. Refit the positive terminal cover.
9. Refit the luggage compartment floor panels.

Wheel changing and jacking

Introduction

In the event of a flat tyre, drivers should follow closely the procedure for wheel changing and jacking given in this section. The correct jacking points and how to locate them are shown. It is important that only the correct jacking points are used.

Where vehicles have the 'temporary-use' spare wheel, drivers should be aware of the limitations of its use.

Temporary-use spare wheel

Observe the following warnings before using the wheel:

WARNING:

1. **Please note temporary-use spare wheel warning label. Adhere to instructions on the label. Failure to comply can be dangerous.**
2. **When a temporary-use spare wheel is fitted, drive with caution and replace with the specified wheel and tyre as soon as possible.**
3. **Do not fit more than one temporary-use spare wheel and tyre assembly at one time.**
4. **The temporary-use spare wheel must be inflated to 60 lbf/in² (420 kPa, 4.2 bar, 4.3 kg/cm²).**
5. **Temporary-use spare wheel, maximum speed is 50 mph (80 km/h).**

Maintenance information for the temporary-use spare wheel is the same as given for normal tyres in Section 7.

Spare wheel and jacking equipment

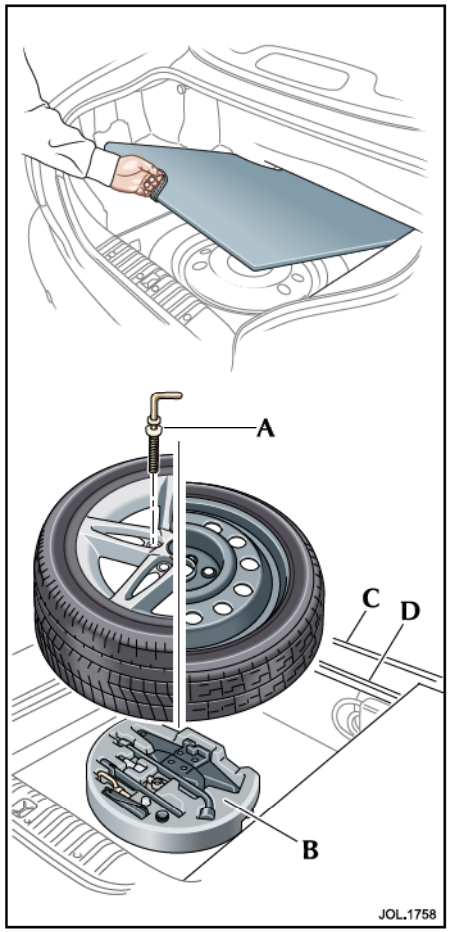
The spare wheel, jacking equipment and wheel chock are stored under the luggage compartment floor panel.

To remove the spare wheel, remove the luggage compartment floor panel and unscrew the retaining screw, as shown opposite (**A**).

The tray containing the jacking equipment kit can be removed from the luggage compartment by unscrewing the yellow securing bolt, as shown opposite (**B**).

The kit comprises: The jack; jack ratchet handle with socket extension; wheel nut wrench with telescopic extension; wheel chock; towing eye and a wheel locking nut extractor tube and key socket (where fitted).

Examine the jack occasionally, clean and grease the threads to ensure it is always ready for an emergency.



Spare wheel stowage

When the temporary-use spare wheel is being used, stow the replaced road wheel in the luggage compartment so that it fits over the jacking equipment tray. Reposition the luggage compartment floor panel in the upper location slots (**C**).

When the temporary-use spare wheel is returned to the luggage compartment, position the wheel with one stud hole directly over the yellow plastic bolt. Fit the retaining screw through the stud hole into the bolt head and tighten down. Refit the luggage compartment floor panel in the lower position (**D**).

Note: Remove the centre badge, see page 6-9.

20 inch diameter road wheels cannot be stored beneath the luggage compartment floor panel. Use the plastic stowage bag and gloves provided in the luggage compartment.

WARNING:
Keep plastic bags away from children.

Wheel changing and jacking

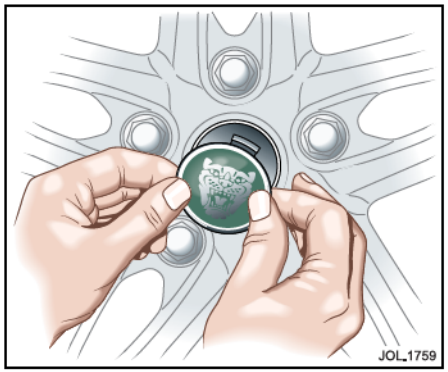
Be prepared for a flat tyre. Know where equipment is stowed and read the wheel changing and jacking instructions carefully.

Stopping the vehicle

Pull off the road completely, clear of all traffic and park on as level ground as possible. Switch on hazard warning lights.

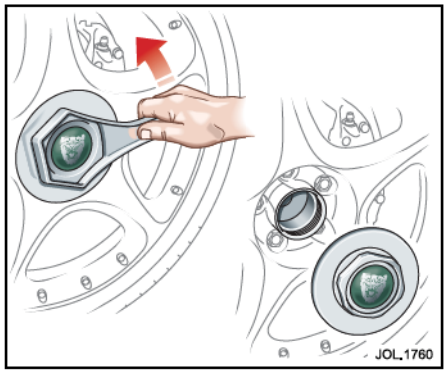
WARNING:
It can be dangerous to change a wheel when the vehicle is on a slope or soft, uneven ground.

Remove the temporary-use or full size spare wheel to obtain the jack and wheel changing tools.



Alloy wheels with centre badge

When changing wheels, carefully remove the centre badge and transfer it to the replacement wheel (when a full size spare wheel is used).



Alloy wheels with hexagon centre wheel nut covers

Remove the cover with the plastic spanner supplied with the spare wheel jacking equipment.

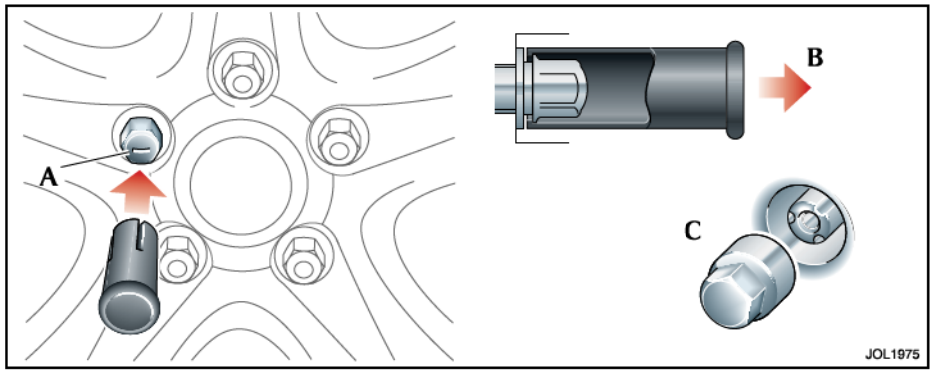
Loosening the wheel nuts

Always slightly loosen the wheel nuts before raising the vehicle.

The above label showing correct use of the wheel nut wrench is printed on its shaft.

(A) – WHEEL NUT REMOVAL

(B) – WHEEL NUT TIGHTEN



Removing locking wheel nuts (where fitted)

Some vehicles are fitted with one locking wheel nut on each wheel. These can only be removed using the extractor tube and key socket from the jacking equipment tray.

The locking wheel nut is provided with a cover which makes it visually similar to standard wheel nuts. The top of the cover has an indentation (**A**) to aid identification.

Push the extractor tube firmly over the locking wheel nut cover, as shown at (**B**), until it is fully located.

Withdraw the extractor tube to remove the cover.

Fit the key socket over the locking wheel nut as shown at (**C**).

Fit the wheel nut wrench over the key socket and loosen the locking wheel nut.

Locking wheel nut security coding

Locking wheel nuts have a letter stamped on their upper surface. The key socket is stamped with a corresponding number. Only key sockets with the correct matching number will fit the locking wheel nut.

Should a new key socket be required, note the letter on the locking wheel nut and contact your Jaguar Dealer. Proof of vehicle ownership will be required.

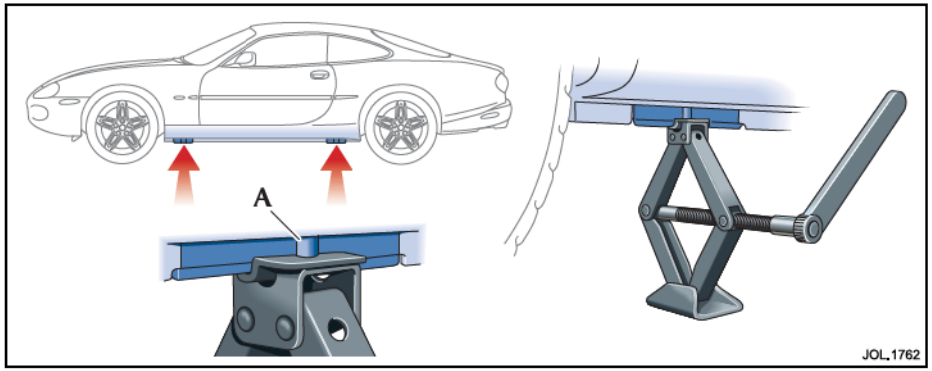
Wheel changing

1. Ensure that all passengers are in a safe place, clear of the vehicle.
2. Apply the parkbrake and select gear position 'P' (Park).
3. Ensure that the jack is placed on firm and level ground.

Note: When one rear wheel is lifted off the ground the selection of transmission 'P' (Park) position will not prevent the vehicle from moving and possibly slipping off the jack.

WARNING:

1. **Before attempting to lift the vehicle with the jack, chock the wheel diagonally opposite to the wheel being replaced to prevent the vehicle from rolling when jacked up. A wheel chock is supplied with the jacking equipment for this purpose.**
2. **Never work under the vehicle using only the jack as a support, always use axle stands or suitable supports under the jacking points.**



Before raising the vehicle slacken but do not remove the wheel nuts.

Observe the instructions printed on the jack.

Use the jack only for lifting the vehicle during wheel changing, and only use the jack which is stored in the vehicle.

Do not start or run the engine while the vehicle is only supported by a jack.

There are four jacking points, two each side of the vehicle on the underside of the floor. These are reinforced metal plates (**A**) attached to the sill near each wheel.

Caution: Ensure before raising the vehicle that the jack is correctly positioned to avoid any damage to the vehicle sills or sill panels. Use only the correct jacking points, never use bumpers or any other part of the body to lift the vehicle.

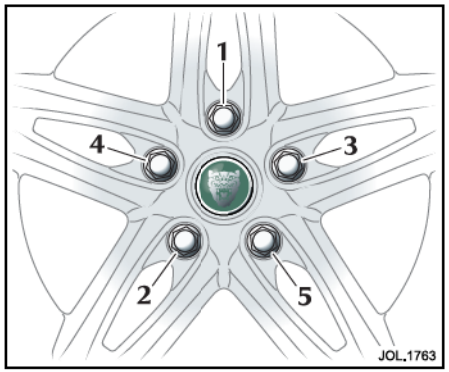
WARNING:

1. **Do not attempt to lift the vehicle unless the jack head is fully engaged in the jacking point.**
2. **Ensure that the parkbrake is applied.**

Place the jack squarely beneath the appropriate jacking point. Ensure that the jack head is fully engaged. Carefully raise the vehicle by turning the handle. Stop jacking the vehicle when the tyre just clears the ground. Minimum tyre lift gives maximum vehicle stability.

Remove the wheel nuts and the wheel.

When changing the alloy road wheels, transfer the centre badge to the replacement wheel (when a full size spare wheel is used). Using the plastic tipped end of the wheel nut wrench handle from the inside of the wheel, push the centre badge from its housing. If the temporary-use spare wheel is to be fitted, keep the centre badge safely and fit it to the repaired full size wheel when it has been refitted.



Fit the spare wheel and loosely secure with the wheel nuts.

Using the wheel nut wrench, lightly tighten the wheel nuts alternately using the sequence shown in the illustration.

Lower the jack and tighten the wheel nuts alternately, DO NOT OVERTIGHTEN.

At the earliest opportunity have the wheel nuts tightened with a torque wrench to 65 – 75 lb.ft (88 – 102 Nm).

This torque must not be exceeded.

Refitting centre badge (where fitted)

Press fit the centre badge into position on the wheel.

Refitting hexagon centre wheel nut cover (where fitted)

Tighten the hexagon centre wheel nut cover to the wheel with the plastic spanner supplied with the spare wheel jacking equipment.

Stowing the equipment

Stow the replaced road wheel in the luggage compartment, position the wheel and secure with the retaining nut.

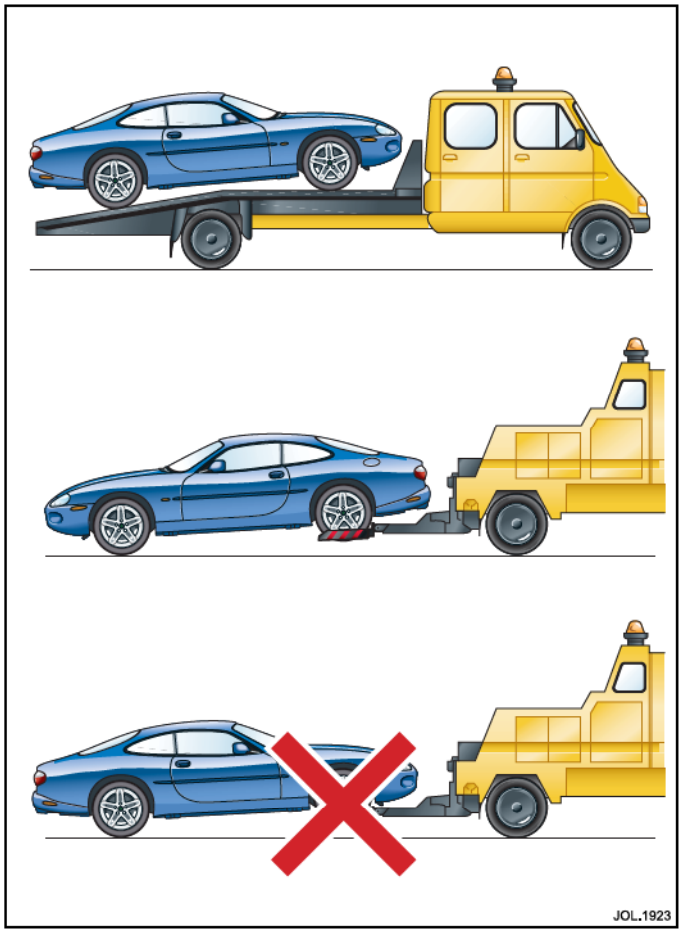
Place the storage tray with the jack and wrench over the wheel.

Reposition the luggage compartment floor panel.

Note: Examine the jack occasionally and clean and grease the threads to ensure it is always ready for an emergency.

WARNING:

When the temporary-use spare wheel has been fitted, drive with caution and replace with the specified wheel and tyre as soon as possible.



Vehicle recovery

The preferred vehicle recovery method is by using a flat bed transporter or rear suspended tow.

Caution:

1. **If the vehicle has defective transmission, to prevent further damage, it must be towed with the rear wheels clear of the ground.**
2. **Ensure that the recovery team do not tow with sling-type equipment since damage to the bodywork may result.**
3. **Do not tow vehicle by suspending the front end.**

Transporting

If the vehicle is being transported on a trailer or vehicle flat bed transporter, the parkbrake must be applied, the wheels chocked and the gear selector lever moved to position 'N' or 'D' but NEVER to 'P'.

The vehicle must be securely tied down to the transporter or trailer.

Towing eyes

WARNING:

1. **The vehicle must not be driven with a towing eye fitted to a front tow point.**
2. **When the engine is not running the steering and brakes will no longer be power assisted. Therefore, be prepared for relatively heavy steering and the need for greatly increased brake pedal pressure.**

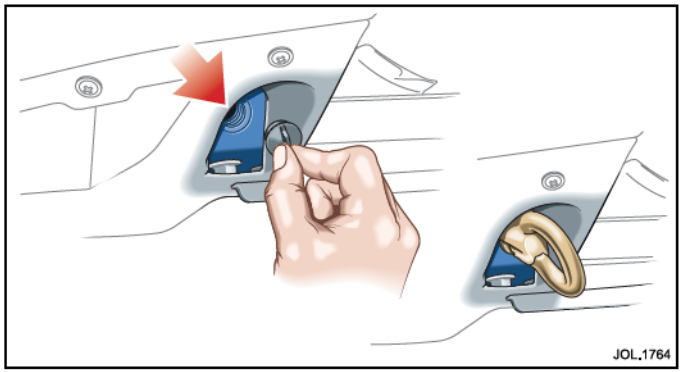
Caution: The towing eyes are not suitable for 'solid bar towing'. Care must be taken to avoid damaging the bumpers and front apron.

A removable towing eye is provided for use at the front or rear of the vehicle. The towing eye has a left-hand thread and must be screwed in an anti-clockwise direction when fitting. When not in use it is stowed with the jacking equipment kit, see page 6-4.

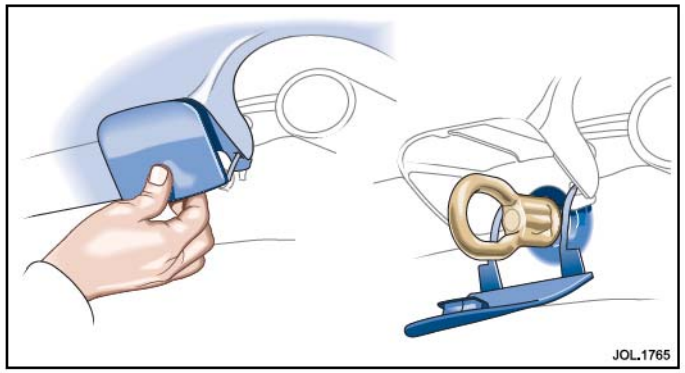
Always obey towing regulations: In certain countries the registration number of the towing vehicle and an 'ON TOW' sign or warning triangle must be displayed in a prominent position at the rear of the vehicle being towed.

When being towed, the vehicle's gear selector lever must be in neutral (position 'N') with the ignition key turned to position 'II' to release the steering lock and render the indicators, horn and brake lights operational.

Vehicles may be towed for a SHORT DISTANCE maximum 0.5 miles (0.8 kilometres) with the gear selector lever in position 'N', provided a speed of 30 mph (48 km/h) is not exceeded).



Front fitting: To use at the front of the vehicle, remove the rubber blanking plug from the front crossmember on the driver's side and screw the eye into the threaded drilling. The blanking plug is a push-fit in the towing eye thread.



⚠ **WARNING:**

Avoid body contact with a hot exhaust pipe when fitting the eye to the rear towing point.

Rear fitting: To access the rear tow position, unclip the bumper cover by pulling the lower edge out slightly and then downwards. Screw the towing eye into the threaded body fixing.

When refitting the cover, first insert the tab at the top of the cover before clipping the lower edge into position.

Bulb renewal

It is important that only Jaguar bulbs of the type specified on page 6-18 are used when renewing bulbs.

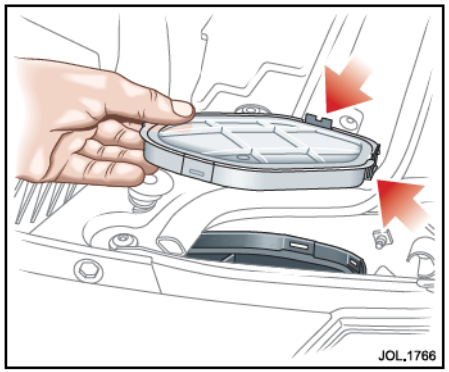
Before renewing bulbs, switch off the ignition and light switches.

Front fog lamp – bulb renewal

It is recommended that the front fog lamp bulbs are renewed by a Jaguar Dealer.

Headlamp – bulb renewal

Caution: These bulbs are halogen types and will be damaged if touched by hand or contaminated with oil or grease. It is important to use clean gloves or cloth when handling a bulb which is to be used again.
A contaminated bulb may be cleaned with methylated spirit before refitting.



Main beam, front direction indicator and side light access

Access to the headlamp unit for main beam, front direction indicator and side light bulb renewal, is through the clear hexagonal cap at the rear of the headlamp unit.

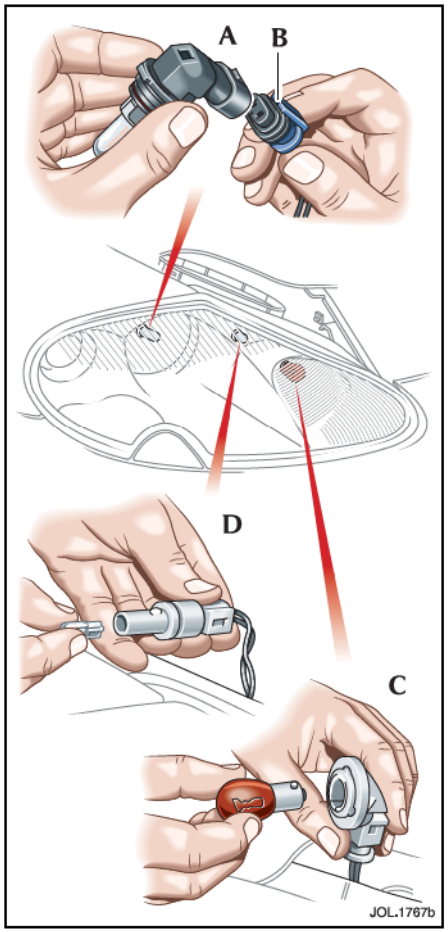
Open the hood and remove the hexagonal cap by squeezing the two lower clips, arrowed above.

When refitting the hexagonal cap make sure the seal is in place.

High intensity discharge (HID) units

If the High Intensity Discharge (HID) Xenon light units, type D1S, 35W, fail, contact your Jaguar Dealer as soon as possible.

In the unlikely event of a fault with the Xenon headlamp dynamic levelling system, the Xenon headlamps will automatically be levelled to a default position to avoid causing headlamp glare to other road users. Should this occur, please contact your Jaguar Dealer as soon as possible.



To change any of the bulbs shown on this page, first remove the hexagonal access cap as described on page 6-13.

After changing any of the bulbs shown on this page, refit the hexagonal access cap as described on page 6-13.

Main beam – bulb renewal (A)

Rotate the bulb holder anticlockwise by a quarter of a turn to remove from the headlamp unit. Lift the plastic spring clips (**B**) and remove the bulb assembly from the harness connector. Remove the bulb and fit a new one of the correct type, see page 6-18. Refit the bulb assembly to the harness connector. Refit the assembly into the headlamp unit.

Front direction indicator – bulb renewal (C)

Turn the direction indicator bulb holder a quarter turn and remove.

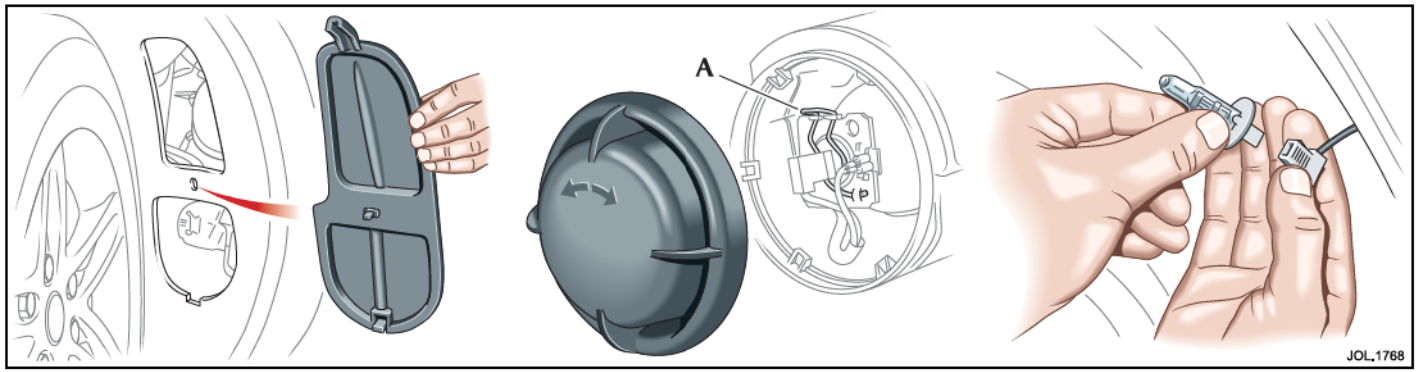
Remove the bulb and fit a new one of the correct type.

Front parking (side) light – bulb renewal (D)

Rotate the bulb holder a quarter turn and remove from the headlamp.

Pull the bulb from the holder and fit a new one of the correct type, see page 6-18.

Reposition the bulb holder in the headlamp unit and rotate a quarter turn.



Dip beam bulb access

Access to the dip beam bulb is as follows:

Turn the front wheels to allow free access to the wheel arch.

Remove the wheel arch access panel by rotating the centre fastener and lifting the lower retaining clip.

Turn the cap at the back of the dip beam a quarter turn anticlockwise and remove.

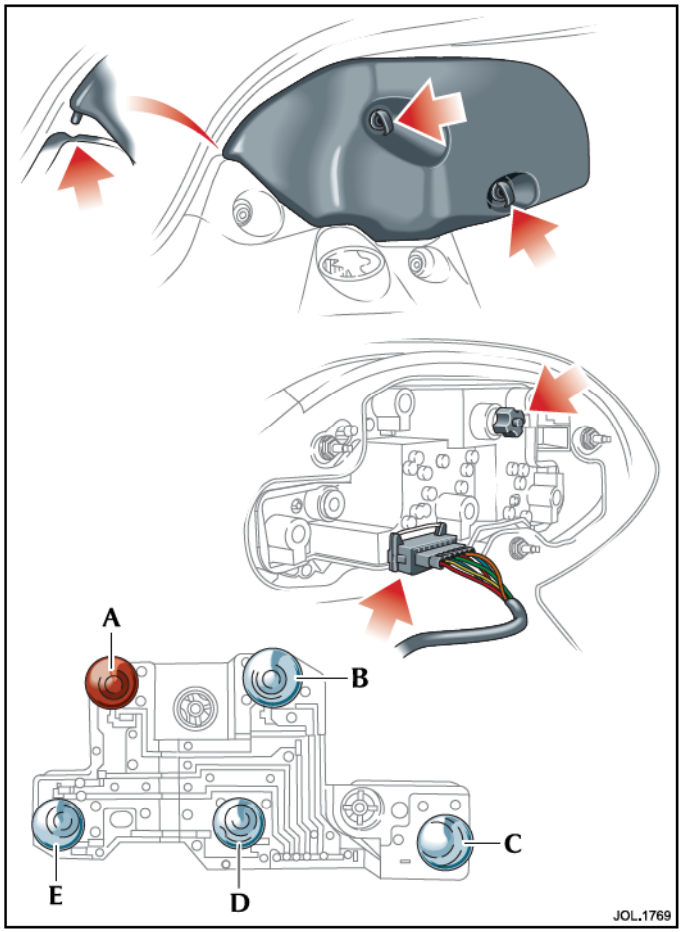
When refitting the cap make sure the seal is in place.

Dip beam – bulb renewal

Push the spring retainer (**A**) to the right and rearwards to release. Remove the bulb holder.

Remove the bulb and fit a new bulb of the correct type, see page 6-18.

Refit the bulb holder and the spring retainer.



Rear light assembly – bulb renewal

Ensure that the lights and ignition switch are OFF before removing any bulbs. Open the luggage compartment.

Unscrew the two fasteners securing the light assembly cover (top figure). Remove the cover, noting the cover locating pin.

Press the release bar on the electrical connector (centre figure) and carefully pull off the connector. Unscrew the knurled nut securing the bulb carrier and remove the carrier.

The left-hand bulb carrier is shown and the bulbs fitted are:

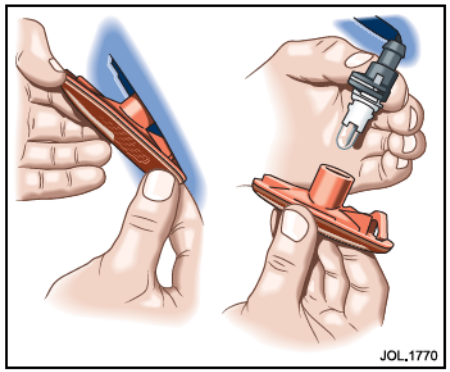
- Direction indicator (**A**).
- Reversing light (**B**).
- Fog light (**C**).
- Tail light (**D**).
- Stop and tail light (**E**).

Remove the faulty bulb and fit a new one of the correct type, as specified on the bulb carrier and the bulb chart (see page 6-18).

Note that 12V, 21W/5W stop/tail bulbs are fitted in positions (**E**) and (**D**) but the stop light in position (**D**) is not used.

Refit the bulb carrier and secure with the knurled nut. Carefully plug in the electrical connector.

To refit the rear cover, insert the cover locating pin, close the cover and secure with the two screw fasteners.



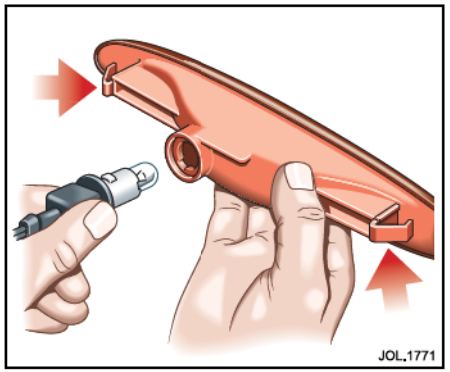
Side repeater flasher – bulb renewal

Remove the light unit from the front wing panel by pressing the unit forward or rearward to compress the spring clips behind the panel. This will allow the unit to be removed.

Twist the bayonet bulb holder anticlockwise and remove. Pull out the bulb and fit a new one of the correct type, see page 6-18.

Refit the bulb holder.

Refit the lamp unit into the front wing.



Side marker light – bulb renewal

To remove the side marker lenses it is necessary to compress the spring clips at the back of the lens. Access to the rear of the front side marker is through the wheel arch access panel.

To access the back of the rear side marker it is necessary to reach up behind the bumper cover. Because of the proximity of the exhaust system, make sure the exhaust is cold when renewing the rear side marker bulb.

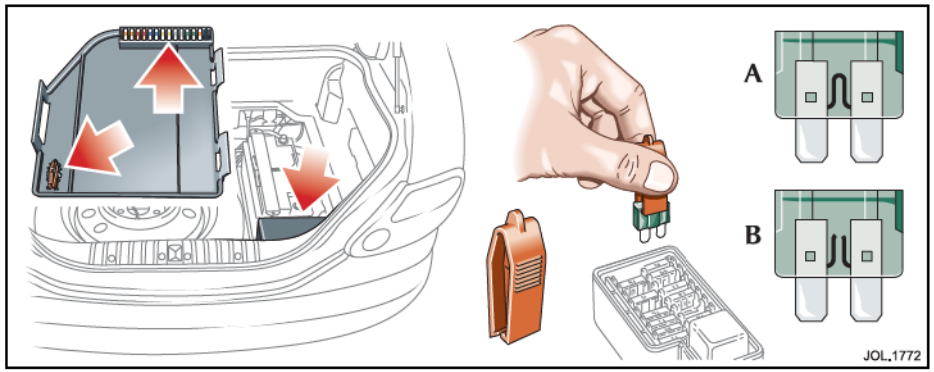
Twist the bulb holder anti-clockwise and remove. Pull out the bulb and fit a new one of the correct type, see page 6-18.

Refit the bulb holder. Press the unit into place in the front wing/bumper cover.

Bulb chart

Description	Capacity	Type
Flasher side repeater.	12V 5W	Capless long life.
Fog lamp – front.	12V 55W	Halogen H3 long life.
Fog light – rear guard.	12V 21W	Bayonet long life.
Front direction indicator.	12V 21W	Bayonet amber long life.
Front parking (side) light.	12V 5W	Capless long life.
Headlamp – dip.	12V 55W	Halogen H1 long life.
Headlamp – main beam.	12V 60W	Halogen HB3 or HB3A when fitted with Xenon dip.

Description	Capacity	Type
Number plate light.	12V 5W	Capless long life.
Rear direction indicator.	12V 21W	Bayonet amber long life.
Reverse light.	12V 21W	Bayonet long life.
Side marker light (where fitted).	12V 5W	Capless long life.
Stop/tail lights (The stop lights in the outer positions are not used.)	12V 21/5W	Bayonet long life.



Fuses and fuse boxes

Fuse failure is signalled by an inoperative circuit.

Do not fit a new fuse if damage to the wiring is found; contact a Jaguar Dealer. After renewing a fuse have the circuit checked by a Jaguar Dealer.

Spare fuses and a special tool for removing the fuses are supplied underneath the electrical carrier lid in the luggage compartment.

Use only the spare fuses supplied. Replace the spare with a Jaguar approved fuse of the same amperage rating.

Checking and renewing a blown fuse

Make sure the new fuse is the correct rating (amperage). Fuses are colour coded according to the amperage and the rating is also marked on each fuse. The colour code is as follows:

TAN	5 amp
RED	10 amp
LIGHT BLUE	15 amp
YELLOW	20 amp
CLEAR	25 amp
LIGHT GREEN	30 amp
BRIGHT ORANGE	40 amp

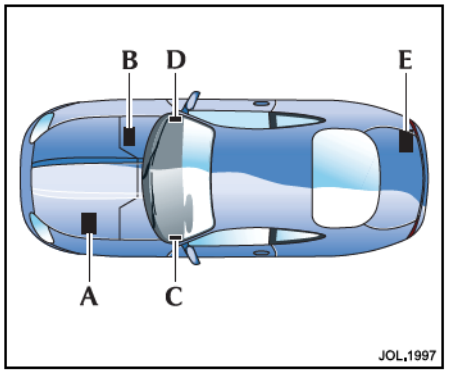
Push the tool on to the suspect fuse and withdraw it.

If the wire in the fuse is broken, the fuse has blown.

(**A**) – Fuse in good condition.

(**B**) – Blown fuse.

Fit a new fuse using the tool.



Fuse box locations

There are five separate fuse boxes fitted to the vehicle, each one containing fuses protecting a different group of circuits.

WARNING:

1. **Do not fit a fuse of a different amperage from that fitted. The electrical circuits may become overloaded with the subsequent possibility of a fire.**
2. **No attempt should be made to repair a fuse that has blown. This may cause a fire hazard or serious damage elsewhere in the electrical circuit.**

The locations are as follows:

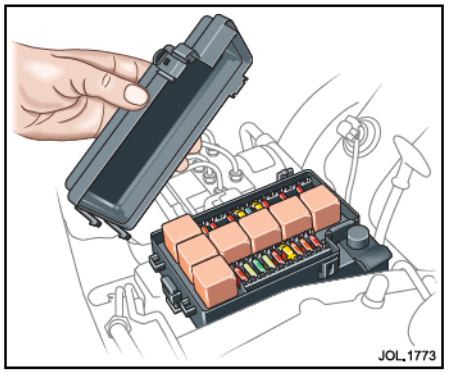
(**A**) – Engine compartment fuse box – Left-hand side, behind the windscreen washer reservoir.

(**B**) – Engine management fuse box – Passenger's side, within bulkhead extension.

(**C**) – Fascia fuse box – Driver's side, on the end of the fascia behind the removable panel.

(**D**) – Fascia fuse box – Passenger's side, on the end of the fascia behind the removable panel.

(**E**) – Electrical carrier fuse box – Luggage compartment.



Engine compartment fuse boxes

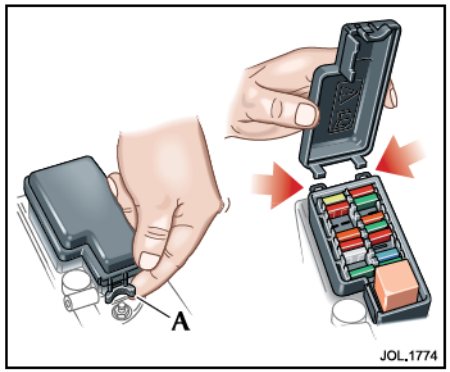
There is one fuse box in the main engine compartment, located on the left-hand side, behind the windscreen washer reservoir.

Caution: When the fuse box lid is removed, take care to protect the box from moisture, and refit the lid at the earliest opportunity.

Remove the fuse box lid by pressing the retaining lugs and lifting.

When refitting, press the fuse box lid in the area of the retaining lugs until the lid engages.

The circuits protected are listed on page 6-25.



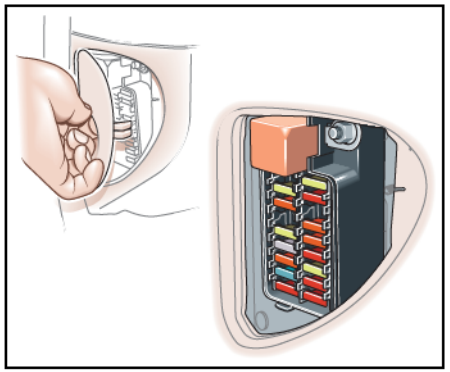
A second fuse box is situated within the bulkhead extension on the passenger's side.

Note: The bulkhead extension protects electrical components from the heat generated in the engine compartment.

Remove the fuse box lid by compressing and lifting the 'U' shaped latching mechanism (**A**).

To refit the fuse box lid, position into the slots and push down until the latching mechanism is engaged.

The circuits protected are listed on page 6-22.



Fascia fuse boxes

Fuse boxes are located at the extreme ends of the fascia, one on the driver's side and one on the passenger's side.

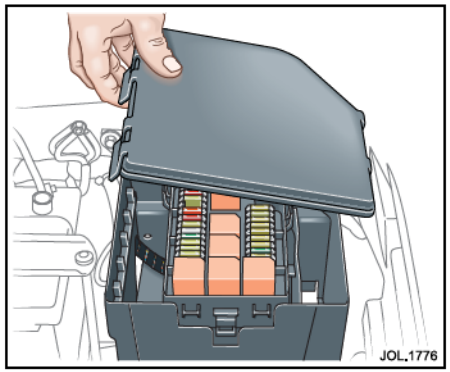
Pull the raised lip of the cover to access the fuse box.

The circuits protected are listed on page 6-23 and 6-24.

Luggage compartment fuse box

A fuse box is located in the electrical carrier which is situated to the rear of the battery.

A list of protected circuits and fuse ratings is given on the Fuse Ratings and Circuit chart on page 6-26.



Caution: When the carrier lid is removed, take care to protect the box from moisture ingress, and refit the lid at the earliest opportunity.

Remove the luggage compartment floor panel.

Remove the electrical carrier lid by pulling the retaining clips and pulling the lid upwards.

Spare fuses and fuse removal tool are supplied underneath the electrical carrier lid in the luggage compartment.

Reposition the lid and press down until the retaining clips engage.

The circuits protected are listed on page 6-26.

Fuse ratings and circuits

Engine management fuse box passenger side – within bulkhead extension

Fuse No	Ratings (amps)	Circuit
1	30	O_2 sensor heaters bank 2 upstream and downstream.
2	–	Not used.
3	25	Starter solenoid.
4	5	Engine control module, transmission.
5	10	Ignition coils supply (via relay).
6	–	Not used.
7	–	Not used.
8	10	Air conditioning compressor clutch.
9	20	Throttle motor.
10	10	Engine control module.

Fuse No	Ratings (amps)	Circuit
11	30	O_2 sensor heaters bank 1 upstream and downstream.
12	15	Intercooler water pump (supercharged).
13	–	Not used.
14	10	O_2 sensor heaters relay, EGR valve, EVAP valve, throttle motor relay, AC compressor clutch relay, airflow meter, close canister valve, air flap solenoid (supercharged).
15	30	Windscreen left-hand heater.
16	5	Engine control module cooling fan.
17	30	Windscreen right-hand heater.
18	10	Injectors supply.

(**B**) on location illustration, page 6-20.

Fascia fuse box – driver's side

Fuse No	Ratings (amps)	Circuit
1	20	Driver's seat control module.
2	10	Door mirror heaters.
3	30	Windscreen wiper motors and relays.
4	5	Main instrument cluster (includes clock).
5	15	Body processor module lamp supply 2.
6	5	Centre console switches, key transponder module, roof header console.
7	15	Body processor module, gearshift interlock solenoid, ignition key lock solenoid, interior lighting, windscreen washer pump.
8	10	Steering column adjustment switches, driver's seat switchpack, driver's headrest module.
9	–	Not used.
10	10	Airbag control module, occupant spatial sensing module, driver's safety belt buckle, Passenger safety belt buckle, passenger seat weight sensing module, occupancy sensing pad lamp.
11	20	Air conditioning driver's blower motor.
12	10	Air conditioning, door mirror heaters relay, control module ignition supply, blower motor relays, power steering control module.
13	5	Diagnostic connector (battery).
14	10	Main instrument cluster, seat belt comfort solenoids, brake pedal switch (cruise cancel).
15	25	Driver's door control module, transit relay.
16	5	Electrochromic interior mirror (where fitted), windscreen heater relays, gear selector, transmission performance mode switch, J gate linear switch, rain sensing system, telephone.
17	10	Accessory sockets (battery).
18	10	Engine control module.

(**C**) on location illustration, page 6-20.

Fascia fuse box – passenger's side

Fuse No	Ratings (amps)	Circuit
1	20	Passenger seat control module.
2	10	Door locking actuators and relays.
3	–	Not used.
4	5	Driver and passenger door lock assemblies, driver and passenger mirror and door glass switchpacks, driver memory switchpack.
5	5	Telephone transceiver and RT connector.
6	10	Air conditioning control module, isolation relay.
7	20	Body processor module, steering column tilt and reach motors.
8	10	Passenger seat switchpack, passenger headrest module.
9	10	Radio/cassette head unit.
10	5	Telephone handset and transceiver.
11	20	Air conditioning passenger's blower motor.
12	5	Radio/cassette head unit.
13	10	Dimmer control module.
14	20	Cigar lighter.
15	25	Passenger door control module, transit relay connector.
16	5	Navigation screen.
17	15	Body processor module, exterior lights.
18	–	Not used.

(**D**) on location illustration, page 6-20.

Engine compartment fuse box – left-hand side

Fuse No	Ratings (amps)	Circuit
1	10	Transmission control module.
2	5	Alternator regulator.
3	5	Security sounder, headlamp levelling (HID and Halogen), centre console switchpack, HID ride height sensors front and rear, ignition +Ve to engine compartment fuse box relays 1 and 2.
4	5	Dynamic stability control module.
5	10	Ignition coils (via relay).
6	20	Right-hand dipped beam headlamp (HID). Right-hand main beam headlamp (Halogen).
7	30	Power wash pump.
8	20	Left-hand dipped beam headlamp (HID). Left-hand main beam headlamp (Halogen).
9	10	Security sounder.
10	–	Not used.
11	15	Horns.
12	–	Not used.
13	–	Not used.
14	–	Not used.
15	10	Air conditioning coolant pump.
16	30	Dynamic stability control valves.
17	15	Front fog lamps.
18	30	Dynamic stability control pump motor.
19	10	Right-hand main beam headlamp (HID). Right-hand dipped beam headlamp (Halogen).
20	–	Not used.
21	10	Left-hand main beam headlamp (HID). Left-hand dipped beam headlamp (Halogen).
22	5	Adaptive cruise control module.

(A) on location illustration, page 6-20.

Luggage compartment fuse box – electrical carrier

Fuse No	Ratings (amps)	Circuit
1	5	**Coupe:** Reversing lamps. **Convertible:** Reversing lamps, rear quarter windows raise/lower relays.
2	20	Adaptive damping control module.
3	5	Diagnostic connector (ignition).
4	5	Adaptive damping control module.
5	30	Fuse box ignition +Ve for relays, fuel pump driver module.
6	5	Right and left-hand stop lamps via security and locking module.
7	–	Not used.
8	5	High mounted stop lamp, engine control module brake signal input.
9	10	Antenna motor.
10	10	Security and locking control module.
11	10	Accessory sockets (Aux ignition).
12	– 20	**Coupe:** Not used. **Convertible:** Right-hand rear quarter window lift motor.
13	5	Reverse aid, navigation DVD unit, TV and VICS (Japan).
14	– 40	**Coupe:** Not used. **Convertible:** Raise and lower pump for convertible top.
15	10	Rear fog lamps.
16	5	Navigation, TV and VICS (Japan).
17	25	Heated rear screen.
18	30	Power amplifier.
19	5	Right-hand tail, left-hand and right-hand number plate lights.
20	– 20	**Coupe:** Not used. **Convertible:** Left-hand rear quarter window lift motor.
21	5	Left-hand tail, left-hand and right-hand side marker lights.
22	5	Alternator, battery sense input.

(**E**) on location illustration, page 6-20.

Fire extinguisher

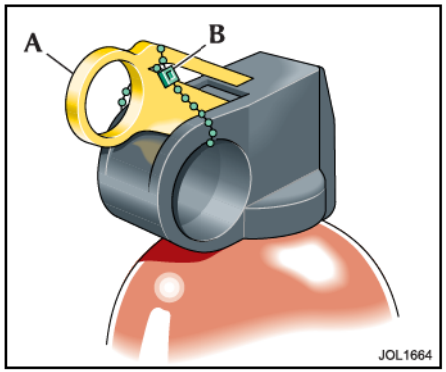
Many countries make it compulsory to carry a fire extinguisher. Your Jaguar Dealer can supply and fit one.

Mexican vehicles have a factory fitted fire extinguisher which contains 2.2 lbs (1 kg) of BC powder pressurised with nitrogen to a working pressure of 180 psi (12 bar) at 68°F (20°C).

This extinguisher can be used on liquid fires, electrical equipment fires and, if no explosion risk, gaseous fires.

WARNING:

Do not test the fire extinguisher prior to use. Partial discharge will render the extinguisher inoperative.



To operate the fire extinguisher:

1. Unclip and remove the extinguisher from the bracket.
2. Put your finger through the yellow safety wedge ring (**A**) and pull hard to remove the wedge. The operating lever will be exposed.
3. Hold the extinguisher upright and aim at the base of the fire.
4. Press the lever down firmly.

Release the lever to stop the flow of powder.

Maintenance

Every six months:

- Remove the extinguisher from its bracket and check that the nozzle is clear.
- Check that the safety wedge strap (**B**) is secure.

Check the pressure gauge on the base of the extinguisher. If the gauge is in the red area report it to your Jaguar Dealer immediately as the extinguisher may not work in an emergency.

JAGUAR

General maintenance

Introduction

Owners are responsible for ensuring that the vehicle is regularly serviced at the correct mileage/time intervals as specified in the 'Maintenance Schedules'. The first part of this section deals with regular servicing.

The condition of the tyres is of the utmost importance. Advice about tyre wear and correct usage is given in this section. If in any doubt about the condition of your tyres, contact a Jaguar Dealer.

Regular servicing

Each vehicle is given a full 'Pre-Delivery Inspection' to ensure that all systems function correctly and the vehicle meets its specification.

Regular maintenance and servicing is the responsibility of the owner. Failure to implement maintenance at the recommended intervals could result in deterioration of vehicle performance and possible infringement of regulations.

Jaguar Dealers will be pleased to arrange periodic servicing in accordance with the maintenance schedules. In the USA and Canada refer to the 'Passport to Service' booklet; in Mexico refer to the 'Service Record and Warranty Book' and 'Maintenance Schedules' booklet.

Tyres

Tyres of the correct type and dimensions, with correct cold inflation pressures are an integral part of every vehicle's design. Regular maintenance of tyres contributes not only to safety, but to the designed function of the vehicle. Roadholding, steering and braking are especially vulnerable to incorrectly pressurised, badly fitted or worn tyres.

Tyres of the correct size and type but of different make have widely varying characteristics. It is therefore recommended that Jaguar approved tyres (see Section 8 – **Wheels and tyres**) are fitted to all wheels.

Note:

1. On certain models the rear wheel and tyre assemblies will be larger than the front. These larger assemblies must never be fitted to the front of the vehicle.
2. On certain models the tyres specified may be of a directional type. These tyres must be fitted so that when viewed from the side of the vehicle the tyre 'direction of rotation' arrow points in the vehicle direction, when positioned at the top of the tyre.

Tyre repair

It is recommended that damaged tyres are discarded and new tyres fitted. They must not be repaired in view of the high performance capability of the vehicle.

Precautions

- Ensure that the vehicle is securely supported before working underneath it. Chock a front wheel and apply the parkbrake.
- Whenever possible use a suitable wheel-free lift when working beneath the vehicle. If a jack is used to support the vehicle, use axle stands carefully placed at the jacking points to provide a rigid support. Only use jacking equipment at the designed lifting points.
- Ensure that adequate ventilation is provided when volatile degreasing agents are being used.
- Never use volatile cleaning fluids under a vehicle standing over a pit. Many such fluids give off vapours which are heavier than air and dangerous to inhale.
- Wear protective overalls, ensure loose clothing (ties, etc.) are removed or covered when working adjacent to moving components (fan belts, etc.).
- Do not leave opened containers of oil, fuel, etc., about the work area. Always refit caps/seals to partially used containers when storing them for later use.
- Do not leave tools, equipment, spilt oil, etc., around or on the work area.
- Place a fire extinguisher close to the vehicle and disconnect the negative battery terminal.
- Do not use a open flame to provide illumination, especially under the vehicle, or in the engine and luggage compartments. Do not smoke while working on the vehicle.
- Do not apply heat in an attempt to free nuts or fittings. This will damage protective coatings and there is a risk of damage to electronic equipment and brake and fuel lines from conducted heat.
- Inspect power leads of any mains electrical equipment for damage, and check that it is properly earthed.

General precautions against damage

- When working in the engine compartment protect the exterior paintwork by using suitable covers over the wings and scuttle.
- To prevent soiling the interior, carry out jobs requiring access to the passenger or luggage compartments first. If a job involves access to the interior in the course of other work, prevent the transfer of oil and grease to the interior by using seat and carpet covers and wearing clean overalls and gloves. If protective seat covers have been used they must be removed before the vehicle is driven on the public highway to ensure that, if needed, the side airbags can properly deploy.
- Always use a recommended service tool, where specified.
- Avoid spilling hydraulic fluid or battery acid on paintwork. Wash off with water immediately if this occurs.

Battery/ignition isolator switches

Non-approved battery isolator switches, which disconnect the power supply to all electrical circuits, are not recommended.

Used engine oil

WARNING:

Prolonged and repeated contact may cause serious skin disorders, including dermatitis and cancer.

Always use a hand cream to protect the skin from oil contamination.
Avoid contact with the skin as far as possible and wash thoroughly after any contact. Keep oils out of reach of children.

PROTECT THE ENVIRONMENT: It is illegal to pollute drains, watercourses and soil. Use authorised waste collection facilities, including civic amenity sites and garages providing facilities for the disposal of used oil, oil filters and batteries. If in doubt, contact your Local Authority for advice on disposal.

Engine and throttle settings

Do not attempt to make adjustments to the engine or throttle settings.
Many vehicle systems are controlled by complex electronic devices and require specialist knowledge. Such work should be entrusted to a Jaguar Dealer.

Hydraulic fluid

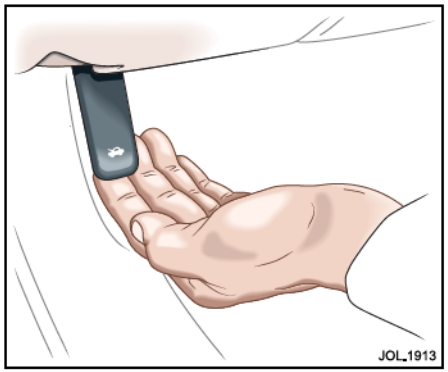
The brake hydraulic fluid in the master cylinder and brake operating system uses non-mineral polyglycol based brake fluid with a minimum standard of JAGUAR SUPER DOT 4. ONLY FLUID OF THIS TYPE AND STANDARD MAY BE USED.

WARNING:

Contamination of the brake system fluid by as little as 1 per cent will cause rapid deterioration of the system seals. Ensure that the brake fluid reservoir cap is securely fitted.

Towing

The XK range has not been designed as a towing vehicle and Jaguar Cars Limited does not manufacture a tow bar for this vehicle.



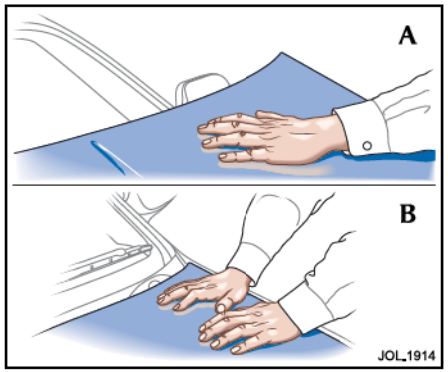
Hood release control

WARNING:

Take care to keep away from rotating components if the engine is running when you open the hood.

The hood lock release control is below the fascia on the drivers's side.

To open: Release the hood lock by pulling the lever. Reach across to the centre of the hood and lift the rear edge. The gas filled struts will assist raising the hood, and retain it in the fully open position.



WARNING:

Before closing the hood ensure that no one is obstructing the closing area and that hands and clothes are clear. Remove tools, cleaning cloths, etc., from the engine compartment.

Hood latching: Close the hood to within a distance of 10 to 12 inches (250 to 300 mm) of the fully closed position.

Place the left hand on the hood as shown at (**A**). Then pressing downwards slam the hood shut. This action should engage both the right-hand and left-hand latches.

Should one latch fail to engage, place both hands as shown at (**B**) above the unlatched side and press down firmly on the hood until it engages.

Regular checks

In the interests of safety and reliability, it is advisable to carry out the following checks at the recommended intervals, and always before starting on a long journey.

Daily

Check that there is sufficient fuel for the journey intended, particularly at night and before entering motorways.

Weekly

Tyres – Check the tyres, including the spare, for condition and pressure. Tyre pressures are referred to in Section 8 of this handbook.

Lights – Check that all exterior lights and direction indicators function correctly and that the lenses are clean.

Engine oil – With the vehicle standing on level ground, check the oil level and top up if necessary with oil of the correct grade.

Engine coolant – With the engine cold, check the level of the coolant in the coolant reservoir header tank. Any loss of fluid must be checked by a Jaguar Dealer.

Brake/clutch fluid – Check the level of the fluid in the brake fluid reservoir. Top up if necessary with new, unused Jaguar approved brake fluid.

The reservoir is initially nearly full, but the level will drop as the brake pads wear. If the level appears unusually low, location of the fluid leakage must be checked by a Jaguar Dealer.

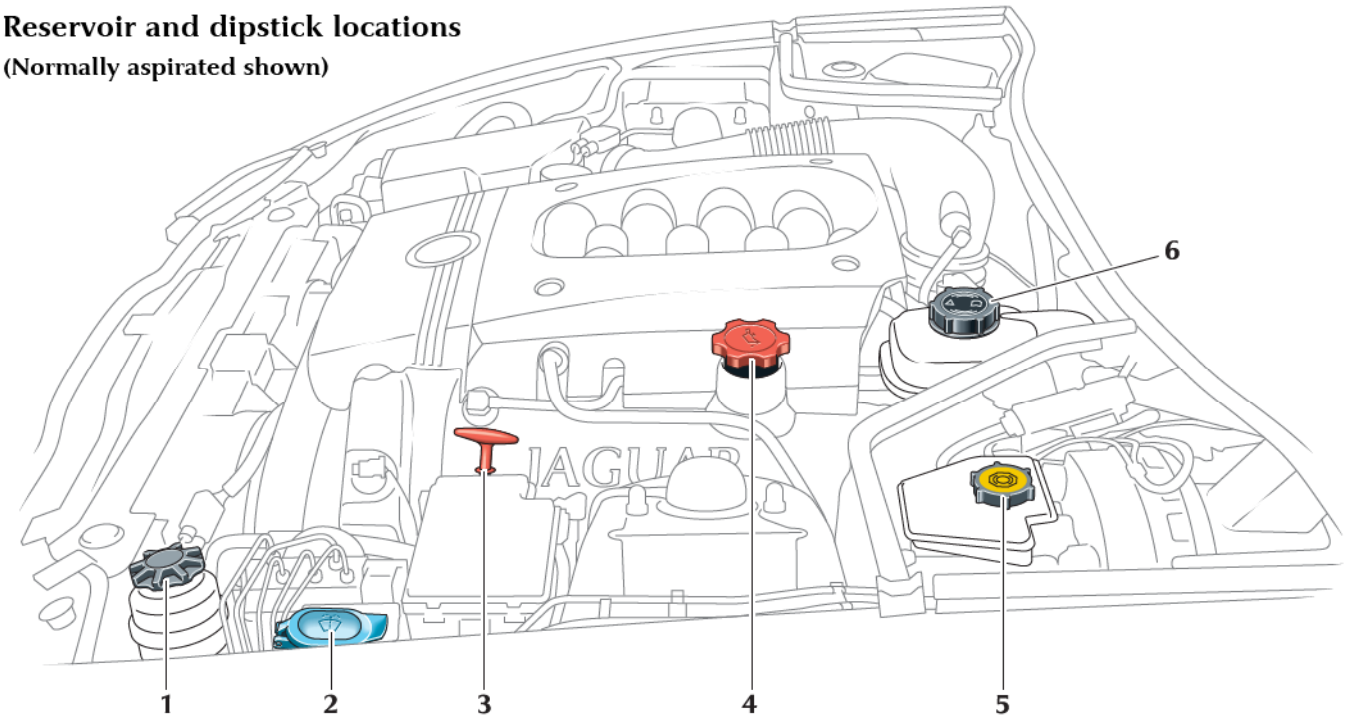
Power steering fluid – With the engine cold check the level of the fluid in the power steering fluid reservoir. Top up if necessary with fluid of the correct specification. Any loss of fluid should be checked by a Jaguar Dealer.

Monthly

Windscreen washer fluid – Top up with recommended windscreen washer fluid and clean soft water. Check the operation of the washer. Use Jaguar Windscreen Washer Fluid to keep the glass clean and also to prevent the fluid from freezing during cold weather.

Wiper blades – Check the quality of the wipe. If smearing or juddering is evident, clean the windscreen and renew the wiper blades.

Reservoir and dipstick locations
(Normally aspirated shown)



1. Power steering reservoir
2. Windscreen/headlight powerwash reservoir
3. Engine oil dipstick
4. Engine oil filler
5. Brake fluid reservoir
6. Coolant filler pressure cap

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Checking and top up

Check engine oil level

Check the oil level regularly with the vehicle on flat, level ground.

Refer to page 7-6 for dipstick and oil filler locations.

It is preferable to check the oil level after the vehicle has been standing, that is, with the engine completely cold.

If the engine has been started do not check the oil level until the engine has reached normal operating temperature.

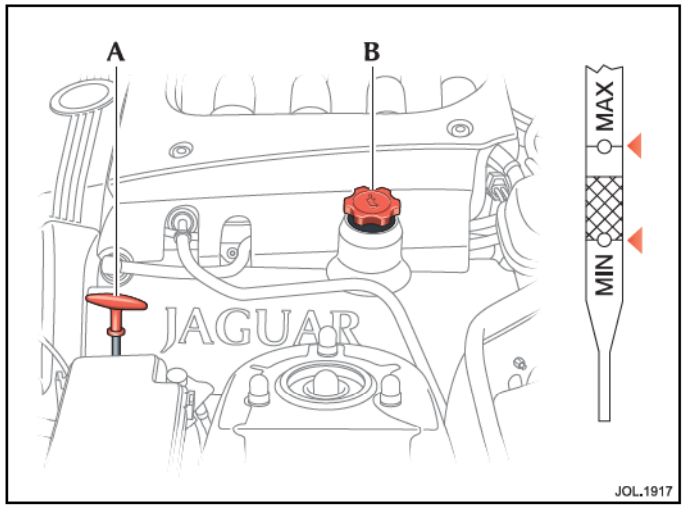
Stop the engine and wait for a minimum of two minutes to allow the oil to drain back into the sump.

Remove the dipstick (**A**) and wipe clean with a non-fluffy cloth. Replace fully, then withdraw the dipstick.

The oil level is correct when it is at the top of the crosshatched section.

The difference in oil quantity between the lower edge of the crosshatched section (MIN) and the top of the crosshatched section is 1 US quart (1 litre).

The oil must not be allowed to exceed the MAX level.



To top up, remove the oil filler cap (**B**) and add oil to the correct specification as detailed on page 7-12.

Caution: Do not use oil additives of any type. Use only specified lubricants.

Refit the filler cap and hand tighten securely.

The supercharger (where fitted) is oil filled for life and does not require any checks to be made by the driver.

Checking coolant level

The coolant level must only be checked when the engine is COLD.

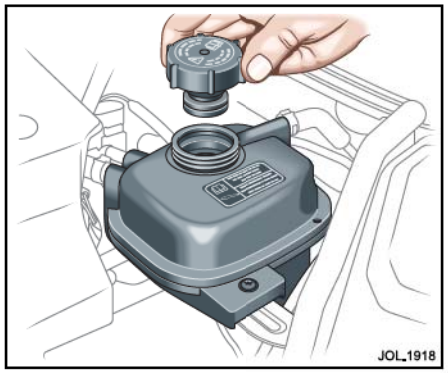
See page 7-6 for coolant header tank location and page 7-11 for the coolant specification.

WARNING:

Do not remove the coolant expansion tank filler/pressure cap while the engine is hot. If the cap must be removed, protect the hands against escaping steam and slowly turn the cap anticlockwise until the steam pressure starts to escape. Leave the cap in this position until all the pressure has escaped, and then remove the cap completely.

The coolant level should be up to the bottom of the filler neck of the header tank. If persistent coolant loss is noticed have a Jaguar Dealer investigate the cause immediately.

Refit the filler cap and hand tighten securely.



Topping up

Caution: Antifreeze will damage paintwork. Avoid spillage.

With the engine cold, top up the header tank until the coolant is level with the bottom of the filler neck.

Use the correct concentration of Jaguar Antifreeze/Coolant/Corrosion Inhibitor as detailed on page 7-11.

Check windscreen washer/powerwash reservoir

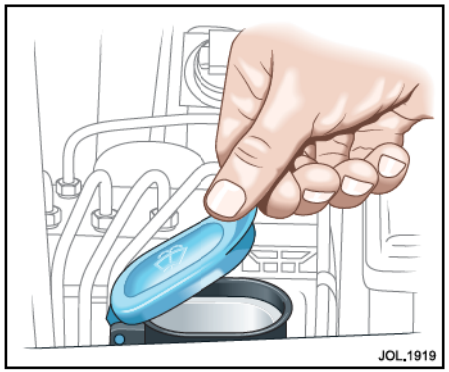
See page 7-6 for windscreen washer reservoir location.

The washer reservoir contains the fluid for the windscreen washers and the headlamp powerwash system (where fitted).

Fill to just below the neck with Jaguar Windscreen Washer Fluid diluted with clean, preferably soft water as specified in the maker's instructions on the bottle.

Do not overfill.

Note: Using a non-approved fluid may adversely affect the rubber of the windscreen wiper blades, resulting in ineffectual and noisy wiping.



Cold weather precautions

To prevent damage to the pump under freezing conditions, use recommended Jaguar Windscreen Washer Fluid.

WARNING:
Windscreen washer fluid is toxic and in concentrated form is flammable. Be sure to observe all warnings indicated on the washer solution container.
Under no circumstances must cooling system antifreeze be used, since this will damage the paintwork.

Note: State or local regulations may restrict the use of volatile organic compounds (VOCs), which are commonly used as anti-freeze agents in washer fluid. A washer fluid with limited VOC content should be used only if it provides adequate freeze resistance for all regions and climates in which the vehicle will be operated.

WARNING:
If you operate your vehicle in temperatures below 40°F (–40°C), use washer fluid with anti-freeze protection. In cold weather, failure to use washer fluid with anti-freeze protection could result in impaired windscreen vision and increase the risk of a vehicle crash.

Check/top up brake fluid reservoir

WARNING:

The brake fluid level will drop as the brake pads wear. If the level is very low report the loss of fluid to the nearest Jaguar Dealer. Do not drive the vehicle until the cause is rectified.

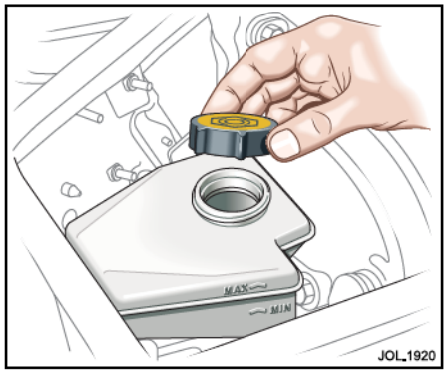
Caution:

1. **While handling brake fluid, take extreme care; brake fluid must not contact the vehicle paintwork.**
2. **Always use fresh, clean fluid from a new container. Never introduce used brake fluid into the system.**

See page 7-6 for brake fluid reservoir location.

The fluid is visible through the translucent casing of the reservoir and must be maintained at the 'MAX' mark.

If necessary, top up as follows:

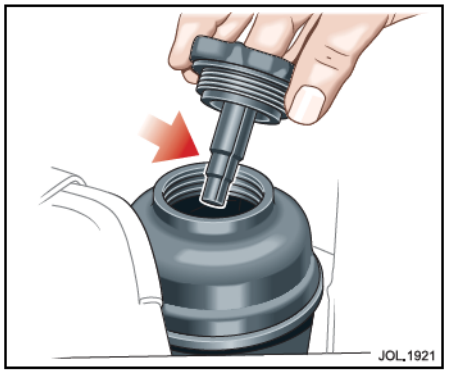


Before removing the cap, clean the reservoir and cap thoroughly with a lint free cloth to ensure that no foreign matter enters the reservoir.

Unscrew the filler cap and top up to the 'MAX' level using new Jaguar brake fluid, specification JAGUAR ITT SUPER DOT 4. This is a non-mineral polyglycol based brake fluid.

Refit the filler cap securely.

Should any brake fluid be spilt, refit the cap on the reservoir before rinsing it away, to avoid contamination.



Check/top up power steering fluid reservoir

Caution: It is imperative that the power steering system does not become contaminated in any way. Always dispense fluid from a fresh sealed container and clean the area around the reservoir neck both before and after topping up. Never return drained fluid to the system.

See page 7-6 for power steering fluid reservoir location.

Check the fluid level when the engine is 'COLD' and the vehicle is on a flat, level surface.

Wipe clean and remove the filler cap from the reservoir; take great care to prevent any foreign matter from entering.

Check that the fluid level is between the marks on the dipstick.

If necessary, top up with DEXRON III fluid, DO NOT OVERFILL.

Should the level be very low, report the loss of fluid to the nearest Jaguar Dealer.

Cooling system

The cooling system should be filled or topped up with a mixture of 50% plain water and 50% Jaguar Antifreeze, Coolant and Corrosion Inhibitor conforming to specification: WSS M97B44-D, coloured orange, Extended Life Coolant.

This antifreeze mixture gives frost protection for temperatures down to –40°F (–40°C).

Caution: Do not mix with anti-freeze of a different specification as this would damage the cooling system.

Engine antifreeze

Antifreeze, when used at the correct concentration, not only protects the engine from frost damage in winter, it also provides all year round protection against internal corrosion.

Use only antifreeze to specification, WSS M97B44-D, coloured orange, Extended Life Coolant. inferior quality antifreeze may be ineffective in maintaining adequate frost and corrosion protection to the cooling system.

The coolant solution may remain in the cooling system for five years or 150,000 miles (240,000 kilometres), after which the cooling system should be drained, flushed and refilled.

WARNING:
Do not allow antifreeze to make contact with skin or eyes. If this should happen, rinse the affected area immediately with plenty of water.

Engine block heater

If the vehicle is to be started at temperatures of –22°F (–30°C) and lower, it is recommended that an engine block heater is fitted and used. Failure to do so may result in damage to the drive belt.

For further information consult your Jaguar Dealer.

Caution: The fitting of an engine block heater does not eliminate (lessen) the need for antifreeze under freezing conditions.

Recommended engine oil

When the oil level is at the lower dipstick mark, add 1 US quart (1 litre) of oil:

Oil specification – API SJ/EC and ILSAC GF-3

When topping up between oil changes, make sure that you use oil that has the correct quality level (API service) and viscosity grade. Your vehicle's warranty may be invalidated if damage is caused by use of improper engine oil.

Synthetic oil meeting the above specification may be used.

For maximum fuel economy, 5W–30 oil is recommended.

SAE Viscosity Rating

For climates ranging from –22°F (–30°C) and +122°F (+50°C), the following oil viscosities may be used:

0W–30

5W–30 (preferred)

0W–40

5W–40

Note: It is recommended that the oil level is topped up using oil of the same viscosity. If you are unsure which oil viscosity is used in your car, your Jaguar Dealer will be able to advise.

If you are operating this vehicle in climates outside the above temperature range, contact your Jaguar Dealer for advice.

Caution: Do not use oil additives of any type. Use only specified lubricants.

Capacities

	US Quarts	Litres
Engine oil: Service oil change with new oil filter (normally aspirated and supercharged)	8.2	7.8
The rear axle (final drive unit), automatic transmission unit and supercharger (where fitted) are oil filled for life and will not normally require to be topped up.		
Cooling system, including reservoir and climate control:		
– Initial fill – 4.2 litre normally aspirated	10.0	9.5
– Initial fill – 4.2 litre supercharged	12.2	11.5
Windscreen washer reservoir	7.4	7.0

Battery

A low maintenance battery specifically designed for use with this vehicle is fitted below the luggage compartment floor panel.

WARNING:

1. **The cell plugs and vent pipe must be in place at all times when the battery is in the vehicle. Failure to fit, or incorrect fitting of these items is potentially hazardous.**
2. **To avoid injury do not use an open flame or cause an electric spark when checking the battery. Hydrogen gas generated by the battery is flammable and may explode.**
3. **Do not connect any 12 volt equipment (for example a 12 volt lead lamp) directly to the battery terminals. Use the cigar lighter sockets to temporarily connect Jaguar approved accessories.**
4. **Do not let battery acid electrolyte come into contact with skin or eyes. If you get any in your eyes or on your skin, immediately rinse with cold water and consult a doctor.**

Caution:

1. **Switch off the ignition before disconnecting battery terminals. Always disconnect the earth terminal first and reconnect last.**
2. **Do not let battery acid come into contact with painted surfaces or fabric.**

The exterior of the battery should be occasionally wiped clean to remove any dirt or grease.

If a new battery is to be fitted, it must be the same type as the original.

The use of unapproved batteries is not recommended and could invalidate the vehicle warranty.

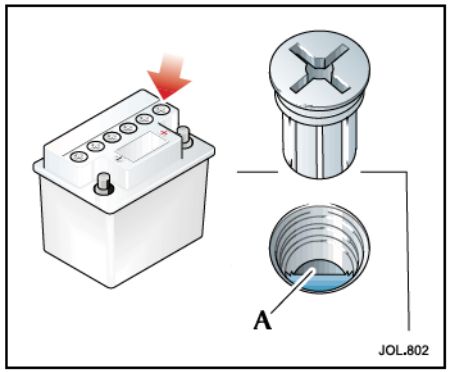
Note: The service life of the battery is dependent on its condition of charge. It must always be sufficiently charged for the battery to last an optimum length of time.

We recommend that the battery charge is checked frequently if the vehicle is used mostly for short distance trips, or if it is not used for long periods of time.

Alternator

To prevent damage to the alternator, do not run the engine while the battery or any of the charging circuit cables are disconnected.

The alternator has polarity-sensitive components that may be irreparably damaged if subjected to incorrect polarity. Ensure that the battery earth lead is always connected to the battery negative terminal.



Check/top up battery electrolyte

In normal climates this must be carried out at least once a year. In hot weather/ climates the electrolyte level must be checked at least every three months.

Fold the luggage compartment floor panel forwards.

Unscrew the six cell plugs. Check that the electrolyte is level with the plastic level indicator (**A**). If necessary, top up with distilled water but do not overfill.

If illumination is required, use a hand-held flashlight to inspect the electrolyte level.

Refit the six cell plugs and refit the battery cover.

Battery charging

WARNING:

Batteries produce combustible gas (hydrogen) when being charged. The battery must be removed from the vehicle before charging commences.

To disconnect the battery, see **Battery lead disconnection** on page 7-16.

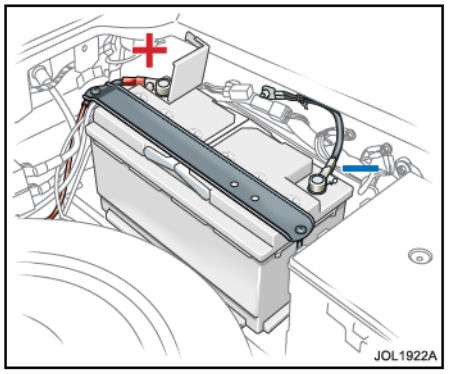
When charging the battery ensure that the charge voltage is the same as the nominal voltage of the battery.

Switch off the charger before connecting or disconnecting terminal connections to avoid sparks and short circuits.

Ensure that the charger positive (+) lead is connected to the positive (+) terminal of the battery and the negative (–) lead is connected to the negative (–) terminal of the battery.

Do not remove or loosen any of the cell plugs when charging the battery.

Check and, if necessary, top up the electrolyte level when the battery is fully charged.



Battery lead disconnection

WARNING:

California Proposition 65:
Battery posts, terminals and related accessories, contain lead and lead compounds. Wash hands after handling.

Caution:

1. **Under no circumstances should a battery be disconnected whilst the ignition circuit is live, as permanent damage to the instrument cluster may occur.**
2. **Disconnect the negative lead (earth terminal) first.**

Fold the luggage compartment floor panel forwards.

Slacken the negative lead pinch bolt and disconnect the negative (–) battery lead. Slacken the positive lead pinch bolt and disconnect the positive (+) battery lead.

Clean the battery posts and coat the post bases with petroleum jelly.

Battery lead connection

Note: Reconnecting the battery arms the security system. Opening any protected entry will sound the alarm. Make sure that a key or key transmitter is available.

Caution: Do not overtighten the pinch bolts.

Connect the positive (+) lead, tighten the pinch bolt and clip the positive terminal cover on the battery. Connect the negative (–) lead and tighten the pinch bolt.

After the battery has been reconnected and the ignition switch is turned to position 'II', the message centre display, if fitted, will initially show an erroneous reading i.e. – – – – – –. This will remain until after the bulb check sequence, when the correct recorded mileage will be displayed. This is a normal function of the instrument cluster.

After battery reconnection

After reconnecting the battery:

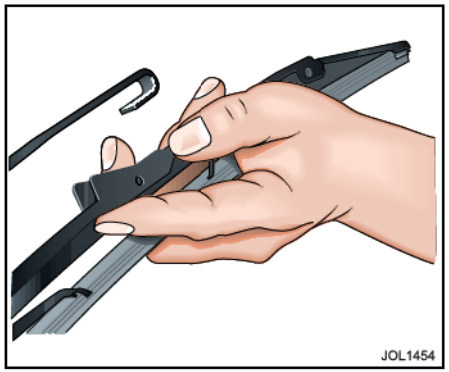
- Reset the door windows; see Section 4.
- The trip computer will lose all recorded trip data and all trip functions will be reset to zero. The vehicle total odometer reading is retained.
- The radio will not operate until the correct security code has been re-entered. Refer to the Audio System Handbook.
- If the battery is disconnected for more than 72 hours the radio preset channels will need to be reset.
- Reset the clock to the correct time.

The engine electronic control system automatically adapts to certain characteristics of the vehicle. When the battery is disconnected, these adaptations are lost. On reconnection, therefore, some slightly abnormal drive symptoms may occur and the vehicle may need to be driven 10 miles (16 kilometres) or more while the control system re-adapts.

Windscreen wipers

Use Jaguar Screen Clean Paste to remove contamination from the windscreen to ensure effective wiping or if smearing or juddering becomes evident. A more aggressive cleaning agent may be required to remove stubborn contamination. Contact a Jaguar Dealer for advice.

To ensure that the windscreen remains smear free, the washer system should be operated whenever the wiper is used, even when it is raining.



Windscreen wiper blades – inspect and clean

Lift the wiper blades clear of the windscreen and wipe the blades with a clean, soft cloth moistened with water to which a mild liquid detergent has been added.

Inspect the wiper blades, and if there any signs of wear or damage; renew the blades.

Renew the wiper blades before and after each winter, or more often if required.

Wiper blade renewal

Move the wiper arm away from the windscreen, squeeze the retaining clip and withdraw the wiper blade from the arm. After fitting the new blade, check that it is held firmly in position. Reposition the wiper arm and blade onto the screen.

Windscreen washers

The windscreen washer tubes and nozzles are mounted on the wiper arms to apply the washer fluid directly to the windscreen.

Powerwash system

Note: The headlamp washer jets are factory set. Should they require further adjustment consult your Jaguar Dealer.

Tyres

Tyres of the correct type, manufacturer and dimensions, with correct cold inflation pressures are an integral part of every vehicle's design. Regular maintenance of tyres contributes not only to safety, but to the designed function of the vehicle. Road-holding, steering and braking are especially vulnerable to incorrectly pressurised, badly fitted or worn tyres.

Tyres of the correct size and type, but of different make have widely varying characteristics. It is therefore recommended that Jaguar approved tyres are fitted to all wheels.

A label stating the recommended tyre pressures is fixed to the underside of the centre console storage compartment lid.

Always ensure that the wheel nuts are fully seated before finally tightening the nuts in alternate sequence.

Tyre renewal

When renewing tyres, it is preferable to fit a complete vehicle set. If either front or rear tyres only need to be renewed, new tyres must be fitted, as axle sets, to replace worn ones.

After new tyres have been fitted the wheels need to be dynamically balanced.

The radial ply tyres specified are designed to meet the high-speed performance capability of this vehicle (see Section 8).

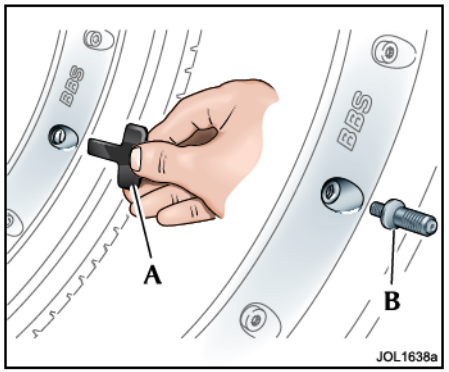
Do not fit tyres with a different tread pattern, size or speed rating.

Tyre pressures

The tyre pressures recommended provide optimum ride and handling characteristics for all normal operating conditions. The pressures should be checked, and correctly set each week with the tyres cold.

Tyre temperatures and pressures increase when running. Deflating a warm tyre to the recommended pressure will result in under inflation which may be dangerous.

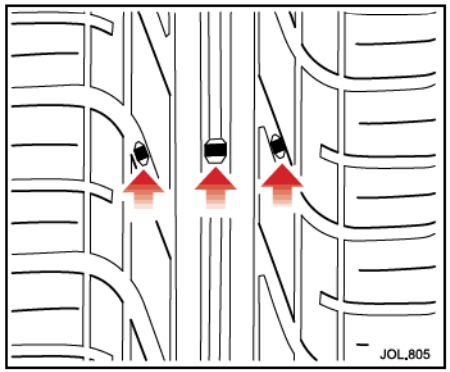
A natural pressure loss occurs with time. If this exceeds 2 lbf/in² (14 kPa, 0.14 bar, 0.14 kg/cm²) per week, the cause should be investigated and rectified.



'R' performance wheels – These wheels have a slotted screw valve cover on the wheel face. A pouch containing a 'T'-shaped screwdriver and a valve adaptor, for use with these wheels, is stowed in the glove compartment.

To access the valve, remove the slotted screw valve cover using the screwdriver (**A**). Screw in the adapter (**B**) and hand-tighten. After checking the pressure, remove the adapter and refit the valve cover.

Note: It is an offence in certain countries to drive a vehicle with tyres that are not inflated in accordance with the vehicle's proper use.



Wear

All tyres fitted as original equipment include tread wear indicators (TWI) in their tread pattern. When the tread has worn to a remaining depth of 1.6 mm the indicators appear at the surface as bars which connect the tread pattern across the full width of the tyre.

It is illegal, in certain countries, to continue to use tyres after the tread has worn to less than 1.6 mm over three quarters of the width and the entire circumference of the tyre.

It should be noted that the properties of many tyres alter progressively with wear. In particular the 'wet grip' and aquaplaning resistance is gradually but substantially reduced. Extra care and speed restriction should therefore be exercised on wet roads as the effective tread depth diminishes.

Incorrect wheel alignment will accelerate tyre wear. Fins on the inner or outer edges of the tread pattern are caused by excessive toe-in or toe-out respectively. As fins may also be caused by high cornering speeds or road camber, it is advantageous to have the cause detected by having the wheel alignment checked.

Tyre repair

It is recommended that damaged tyres are discarded and new tyres fitted. They must not be repaired in view of the high performance capability of the vehicle.

Damage

Excessive local distortion can cause the casing of a tyre to fracture and may lead to premature failure. Tyres should be examined especially for cracked walls, exposed cords, etc. Flints and other sharp objects must be removed from the tyre tread; if left in they may work through the cover. Clean off any oil or grease contamination by using a suitable cleaner.

Caution: Do not use paraffin (kerosene), because this has a detrimental effect on rubber.

Tyre use after vehicle storage

After a long period of a vehicle standing, tyres may become locally distorted with a flat area. This will cause an uneven ride for a few miles until the tyres have warmed up and the 'flat' rounds off.

However, to reduce the effects of flat-spots, the tyres of a stored vehicle may be inflated to pressures not exceeding 60 lbf/in² (420 kPa, 4.2 bar, 4.3 kg/cm²).

United States Department of Transportation/Uniform Tyre Quality Grades

The following information relates to the tyre grading system developed by the National Highway Traffic Safety Administration which will grade tyres by tread wear, traction and temperature performance.

Tread wear

The tread wear grade is a comparative rating based on the wear rate of the tyre when tested under controlled conditions on a specified government test course. For example, a tyre graded 150 would wear one and a half (1.5) times as well on the government course as a tyre graded 100.

The relative performance of tyres depends upon the actual conditions of their use, however, and may depart significantly from the norm due to variations in driving habits, service practices and differences in road characteristics and climate.

Traction – A, B, C

The traction grades, from the highest to the lowest are '**A**', '**B**' and '**C**', and they represent the tyre's ability to stop on wet pavements as measured under controlled conditions on specified government test surfaces of asphalt and concrete. A tyre marked '**C**' may have poor traction performance.

WARNING:

The traction grade assigned to this tyre is based on braking (straight ahead) traction tests and does not include cornering (turning) traction.

Temperature – A, B, C

The temperature grades '**A**' (the highest), '**B**' and '**C**' representing the tyre's resistance to the generation of heat and its ability to dissipate heat when tested under controlled conditions on a specified indoor laboratory test wheel.

Sustained high temperature can cause the material of the tyre to degenerate and reduce tyre life, and excessive temperature can lead to sudden tyre failure.

The grade '**C**' corresponds to a level of performance which all passenger car tyres must meet under the Federal Motor Vehicle Safety Standard No. 109.

Grades '**B**' and '**A**' represent higher levels of performance on the laboratory test wheel than the minimum required by law.

WARNING:

The temperature grade for this tyre is established for a tyre that is properly inflated and not over loaded. Excessive speed, under-inflation or excessive loading, either separately or in combination, can cause heat build-up and possible tyre failure.

Winter (snow) tyres

The tyres fitted as original equipment are designed with a rubber compound, tread pattern and width specially suited for high speeds in normal road conditions, but they are less suitable during extremes of low temperatures, snow and ice.
The use of winter tyres will considerably improve the vehicle's handling during these conditions.

It is recommended that only Jaguar approved winter tyres are used, as follows:

Pirelli Snowsport 210 245/50R17

Pirelli Snowsport 210 245/45R18

Pirelli Snowsport 240 245/45R18

Caution: Tyre directional indicators must be rotating in a clockwise direction when viewed from the right-hand side of the vehicle, and anti-clockwise when viewed from the left-hand side of the vehicle.

Do not exceed 130 mph (210 km/h) when using H-rated or 150 mph (240 km/h) when using V-rated winter tyres.

Winter tyres must be used in vehicle sets, that is, fitted on all four wheels.

If non-Jaguar approved winter tyres are fitted, refer to the tyre pressure information label.

Vehicles fitted with 'R' performance brakes: Special 18 inch winter wheels/tyres are available as an accessory for vehicles equipped with the 'R' performance brakes (the standard winter wheels will not fit). Tyre pressures for these winter wheels are as specified for 18 inch wheels, see information label.

If the vehicle is also fitted with the 'R' performance handling kit (modified suspension), the winter tyres must be inflated to the pressures specified for 20 inch wheels.

There is no 20 inch Jaguar approved winter tyre available.

Snow chains

Snow chains, of the recommended type, may only be fitted to rear wheels.

Caution: Snow chains must not be fitted to wheels of 19 inch diameter or above.

Contact your Jaguar Dealer for details and availability of approved snow chains.

The maximum speed when using snow chains is 30 mph (48 km/h).

Remove the snow chains immediately the roads are clear of snow.

Ensure the fitting instructions supplied with the snow chains are kept in a safe place, for example, with this literature pack.

Note: Traction control or (if fitted) Dynamic Stability Control, **MUST** be switched **OFF** when using snow chains.

Temporary-use spare wheel
(where fitted)

Steel road wheel size	3.5 x 18
Alloy road wheel size	4 x 18
Tyre type/size	Pirelli 135/80 R 18

WARNING:
Failure to comply with the following can be dangerous. When a temporary-use spare wheel is fitted, switch off traction control, drive with caution and replace with the specified wheel and tyre assembly as soon as possible. Do not fit more than one temporary-use spare at one time. Temporary-use spare, maximum speed is 50 mph (80 km/h).

For information about temporary-use spare wheel, see Section 6.

Vehicle care

Valet kit

A valet kit containing a selection of Car Care products is available from the Jaguar accessory range.

Interior care

Brush and clean the interior regularly. Use a vacuum cleaner where possible to remove all dust from the interior and trim.

Carpets

Marks or stains can be removed by gentle scrubbing with a weak solution of soap and warm water.

For more stubborn stains a commercially available carpet cleaner should be used. See your Jaguar Dealer for advice.

Headlining

Remove dust in the headlining with a vacuum cleaner. To remove stains, dab gently without pressing, using a fluff-free white cloth, moistened with Jaguar Upholstery Cleaner.

Do not use methylated spirit or solvents as this may cause damage or discoloration to the headlining.

Leather upholstery

Dust and dirt can penetrate the pores and creases of leather, causing surface wear and brittleness. To prevent ingrained dirt, inspect the seat upholstery regularly and clean every one to two months as follows:

- Wipe the seat surfaces with a clean, damp, non-coloured cloth, changing frequently to a clean area of cloth. Avoid over-wetting.
- If this is not sufficient, use a cloth which has been dampened with warm soapy water and then wrung out; avoid over-wetting. Use only mild non-caustic soap.
- Use Jaguar Leather Cleaner for heavily soiled areas.
- Dry off and rub with a clean soft cloth, changing surfaces regularly.

When staining (e.g. from clothing) or spillages occur, clean the affected area immediately as described above.

Note: Do not use solvents such as petrol (gasoline), white spirit or alcohol. Do not use detergents, furniture polish or household cleaners.

Although such treatments may give, initially, an impressive appearance, their use will lead to rapid damage or deterioration of the leather, and will not be covered by the Manufacturer's Warranty. Unless spillages such as tea, coffee or ink are washed away immediately, permanent staining may have to be accepted.

If a valeting service is used, ensure that the specialist firm concerned are aware of, and follow these instructions precisely.

Caution:

1. **Never use soap, ammonia, bleach or other cleaners intended for use on hard surfaces.**
2. **Do not use upholstery cleaner on electrical equipment such as fascia switches.**
3. **When cleaning around electrical equipment such as switches, ensure that fluids do not leak into any gaps around the components or between panels or trim.**

Removing stains

Most stains on woollen fabric can be removed if treatment is carried out immediately, before the stain has a chance to 'dry-in'.

Keep the necessary cleaning materials in a convenient place.

Most stains can be treated with one of three cleaning fluids: Jaguar Upholstery Cleaner, dry cleaning fluid or clean water.

Mop up excess liquid with absorbent tissue (preferably white) or absorbent cloth; scoop up dry solids. Work inwards from the edge of the stain to prevent spreading. Use small amounts of cleaning liquid, blotting between applications.

Work slowly and thoroughly using light pressure. If the stain cannot be removed, contact a reputable dry cleaners.

WARNING:

Dry cleaning fluids may be toxic or flammable. Take adequate precautions when handling these products.

Exterior care

Note: All the cleaning materials mentioned in this section are available from the Jaguar Accessory Range.

Washing

For best results, do not wash the vehicle under strong sunlight. Always allow the vehicle to cool down before washing.

Do not use a dry cloth to wipe dirty paintwork. Dust and gritty substances are abrasive and will scratch the paintwork. Remove dirt using a cellulose sponge and plenty of warm (never hot) water. Rinse off with clean water and dry using a clean, damp chamois leather.

Do not use household soaps or detergents. The use of Jaguar Vehicle Shampoo is recommended.

Do not direct hoses at full force around door and luggage compartment seals. Using high pressure water jets on the paintwork is not recommended.

Do not allow bird droppings or tree sap to harden. Remove from paintwork immediately with a lukewarm soap and water solution.

In winter, when salt is used on the roads, wash the vehicle frequently, and immediately after encountering such conditions. Clean undersides and wheel arches using a high pressure jet.

Automatic car wash

Caution: Convertible models: Do not use an automatic car wash that has rotating brushes. The action of the brushes may damage the exterior fabric of the convertible top.

Note: Regular use of automatic car washes tends to dull the lustre of the paintwork.

Before entering the car wash it is essential to:

- Switch off the radio to retract the aerial.
- Remove wing mounted telephone antennas.
- Fold down screen mounted antennas.
- Fold in door mounted rear view mirrors.
- Ensure the windscreen wipers are not set to AUTO.

After leaving the car wash, switch on the windscreen wiper immediately to remove water and prevent a build up of wax. Jaguar Screen Clean Paste can be used to clean any residual wax from the glass.

Removing grease or tar

Remove grease or tar with Jaguar Tar Remover or methylated spirit (alcohol). White spirit is also effective, but must not be applied to rubber, particularly the windscreen wiper blade.

Glass surfaces

To avoid scratching glass surfaces, do not clean dirty glass with dry paper or cloth. Use clean, warm water and a chamois leather which is reserved for glass only.

The following products will ensure glass surfaces and windscreen wipers are kept in good condition:

Jaguar Screen Clean Paste – Apply to the exterior of the windscreen only to ensure effective operation of the windscreen wiper.

Jaguar Glass Cleaner – Interior and exterior of all other glass surfaces.

Jaguar Screen Wash – Washer reservoir additive.

Jaguar Winter Care Kit – For use in adverse weather conditions.

Note:

1. Renew the wiper blades when worn to prevent scratching. Clean the rubber wiper blades regularly with a mild detergent solution.
2. It is advisable to clean the windscreen with Jaguar Screen Clean Paste at regular intervals.

Cleaning the rear screen

To avoid damaging the heating and radio elements when cleaning the inside of the rear screen use only a soft damp cloth or chamois leather. Do not use solvents or sharp objects to clean the glass.

Polishing paintwork and chromium plating

For maximum protection against road dust, salts, industrial fall-out etc., it is recommended that the vehicle is polished regularly using Jaguar Polish, Chrome Polish and a Polishing Cloth.

Paint chips

Scratches and chips should be touched in before weathering action begins. Inspect the paintwork immediately after the vehicle has been washed.

Underhood cleaning

Underhood cleaning using high pressure hoses or steam cleaners should be done by a Jaguar Dealer. Indiscriminate use of cleaning equipment could damage or contaminate the electronic control modules and fuse boxes.

Care of alloy road wheels

The alloy road wheels are covered with a protective anti-corrosion coating.
To prevent corrosion it is essential that this coating is not damaged.

When removing or fitting tyres always advise the tyre fitter to treat the alloy wheels with great care and to only use equipment with spigot or stud hole clamping. The equipment must not have any moving parts which contact the wheel, and tyre levers must not be used.

Wash the wheels with soap and water at two week intervals to avoid an accumulation of particles which could become embedded in the wheel surface. In salty conditions the wheels should be cleaned weekly.

In compliance with German Road Traffic Law the size of the wheel rims is stamped or cast on all wheels.

Electrical accessories

WARNING:
Alterations to the electrical system, including the fitting of accessories not designed for this Jaguar, will cause damage to the electrical circuits and systems. In some circumstances this could result in a malfunction or fire. All accessory work should be entrusted to a Jaguar Dealer.

The cigar lighter sockets can be used for plug-in accessories which are only temporarily connected to the vehicle (for example, a car vacuum cleaner).

Caution:

1. **Under no circumstances must the power supply be obtained directly from either battery terminal.**
2. **The use of non-approved accessories can reduce the battery capacity and charge period to an unacceptable level, therefore, Jaguar cannot accept any liability for the fitment of any such item.**

Earth points

If an accessory needs to be connected to an earth point, consult a Jaguar Dealer.

Caution: Under no circumstances must holes be drilled in the bodywork to accept earth terminals.

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Vehicle data

Engine	4.2 litre normally aspirated	4.2 litre supercharged
Type	V8, dual overhead camshafts, 4 valves/cylinder	V8, dual overhead camshafts, 4 valves/cylinder
Capacity	255 inch³ (4196 cm³)	255 inch³ (4196 cm³)
Bore	3.385 inch (86.0 mm)	3.385 inch (86.0 mm)
Stroke	3.555 inch (90.3 mm)	3.555 inch (90.3 mm)
Compression ratio	11.0:1	9.0:1

8-2 Specifications

Weights

4.2 litre normally aspirated engine (average/approximate)

	Coupe		Convertible	
	USA	Canada/ Mexico	USA	Canada/ Mexico
	lbs	kg	lbs	kg
Kerb weight	3872	1756	4086	1853
Front axle kerb weight	2035	923	2084	945
Rear axle kerb weight	1837	833	2002	908
Gross vehicle weight (G.V.W.)	4580	2075	4795	2175
Gross front axle weight	2210	1000	2260	1025
Gross rear axle weight	2370	1075	2535	1150
Maximum recommended luggage compartment load with passenger and driver	106	48	106	48

Note: Loads greater than 106 lb (48 kg) may be carried in the luggage compartment provided the maximum technically permissible axle weights shown on the vehicle Identification plate are not exceeded and the tyres are inflated to the 'normal pressures' given on the label fixed to the underside of the centre console storage compartment lid.

4.2 litre supercharged engine (average/approximate)

	Coupe		Convertible	
	USA	Canada/ Mexico	USA	Canada/ Mexico
	lbs	kg	lbs	kg
Kerb weight	3945	1789	4108	1863
Front axle kerb weight	2085	945	2128	965
Rear axle kerb weight	1860	844	1980	898
Gross vehicle weight (G.V.W.)	4650	2110	4815	2185
Gross front axle weight	2255	1025	2305	1045
Gross rear axle weight	2395	1085	2510	1140
Maximum recommended luggage compartment load with passenger and driver	106	48	106	48

Note: Loads greater than 106 lb (48 kg) may be carried in the luggage compartment provided the maximum technically permissible axle weights shown on the vehicle Identification plate are not exceeded and the tyres are inflated to the 'normal pressures' given on the label fixed to the underside of the centre console storage compartment lid.

8-4 Specifications

Trunk-rack capacity

	lbs	kg
Trunk-rack capacity including weight of rack	106	48

Note:

1. The trunk-rack capacity shown above is included in the total vehicle carrying capacity, and the maximum permissible axle weights shown on the Vehicle Identification Plate must not be exceeded. In addition, the tyres must be inflated to the pressures given for speeds above 100 mph (160 km/h).
2. The maximum permitted luggage compartment load shown above can be exceeded provided that the requirements regarding the maximum permissible axle weights and tyres pressures in the Note above are followed.

Dimensions (coupe and convertible)

	inch	mm
Overall length	187.4	4760
Overall width including mirrors	81.7	2016
Overall width without mirrors	70.8	1829
Overall height (at gross vehicle weight)	50.0	1271
Overall maximum width across tyres – front	69.8	1772
Overall maximum width across tyres – rear	70.71	1796
Minimum ground clearance (at gross vehicle weight): **For the required information please consult your Jaguar Dealer**		
Wheelbase	101.9	2588
Track: **For the required information please consult your Jaguar Dealer**		
Turning circle:		
Kerb to kerb	36 feet 1 inch	11 metres

8-6 Specifications

Wheels and tyres

Wheel size	Tyre size/manufacturer
8J x 17 (not fitted in USA)	Pirelli P Zero 245/50 ZR17 99Y Asimmetrico
Front 8J x 18 Rear 9J x 18	Front – Continental ContiSportContact 245/45 ZR 18 96W Rear – Continental ContiSportContact 255/45 ZR 18 99W
Front 8.5J x 18 Rear 9J x 18	Front – Continental ContiSportContact 245/45 ZR 18 96W Rear – Continental ContiSportContact 255/45 ZR 18 99W
Front 8J x 19 Rear 9J x 19	Front – Pirelli P Zero 245/40 ZR 19 98Y Direzionale Rear – Pirelli P Zero 255/40 ZR 19 100Y Asimmetrico
Front 9J x 20 Rear 10J x 20	Front – Pirelli P Zero 255/35 ZR 20 97Y J Direzionale Rear – Pirelli P Zero 285/30 ZR 20 99Y J Asimmetrico

Tyre pressures

The tyre pressures recommended by Jaguar Cars Ltd. to maintain optimum ride and handling characteristics for normal operating conditions are shown on a label affixed to the underside of the centre console armrest.

Tyres without Jaguar approval

Normal tyres

Tyres other than those recommended should be inflated to 2 lbf/in² (14 kPa, 0.14 bar, 0.14 kg/cm²) higher than the pressures listed on the label for the appropriate size (front and rear) and do not exceed the tyre's speed capability.

Winter tyres

When using non-Jaguar approved winter tyres, increase inflation pressures by 2 lbf/in² (14 kPa, 0.14 bar, 0.14 kg/cm²) higher than the pressures identified on the label for the appropriate size (front and rear) and do not exceed the tyre's speed capability.

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